

Ray Omoshebi

PERSONAL DETAILS

Nationality : British **E-mail:** ray.omoshebi@gmail.com

Place of Birth : London **Telephone No.:** 07968 761433

Profile:

I am a Software Developer Contractor, most of my experience has been a broad range of sectors. This has provided me with a wide knowledge of the different business areas, and lots of experience of a full project life cycle. My recent work has been in software companies and reraill, incorporating new technologies. I am motivated and have worked both independently and as part of a team, and have acquired lots of technical skills along the way.

Key Skills:

- Liaison with both internal and external clients
- Analysis of systems requirements
- Data Modelling
- Software development
- Produce technical documentation
- Database performance tuning
- Software release cycle
- Support of live system
- Interface with other systems as required

WORK EXPERIENCE

AI Project – January 2026 – Present

I am working on a private project designing and developing a LangChain- and Ollama-powered RAG system with a GUI that orchestrates vector search over FAISS indexes, leverages Redis for fast caching, and persists knowledge and metadata in MongoDB

His Majesty's Government – February 2024 – December 2025

I worked here as a Software Engineer simultaneously on two projects; one the first I designed and developed applications for manipulating geo-spatial data and maps, and the other project I designed and developed enhancements for the online business system This included carrying out a number of spikes/proof of concepts through to fully working production applications..

We have a suite of components for our application spread over a number of Docker containers.

The skills I use are: Python/Flask, JavaScript, PostgreSQL, Linux, AWS, QGIS, SQLAlchemy, Powershell, Renovate. Geospatial Data, Github, Docker.

Her Majesty's Government – September 2021 – June 2023

I worked as a Developer delivering a core project in increments

My duties were:

Data extraction and transformation and incorporation of new business rules from spreadsheets to PostgreSQL database.

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Design/Develop backend application using Python/FastAPI/PostgreSQL/S3

Design/Develop Lambda functions using Python/S3 json files and RDS

Develop SDK using Python/AWS RDS and S3

Develop front-end application using vuejs

Develop and implement application user authentication for front and backend using Keycloak/RedHat SSO and Vault

Database changes version control using Liquibase.

Unit/Integrations tests for backend application, lambda functions and SDK using Pytest etc

JIRA, Confluence, bitbucket, Localstack, Linux Scripting, Pandas, Docker, Kubernetes, Jenkins, Slack

Greenflag Limited - December 2020 – June 2021

I worked as part of a team developing Microservices for a greenfield Insurance Policy project in an Agile environment

My duties included:

Develop and deploy lambda microservices according to business specification, using Python and documentDB

Create API Gateway proxies for REST calls to Stripe API.

Write TDD (Unittest, Pytest) and BDD (Cucumber) tests for all deployments, as appropriate.

Write Pipeline buildspec, deployment and integration tests.

Setup and configure local instances of documentDB/mongoDB for testing microservices.

Other skills include:

Linux Scripting

DynamoDB

Amazon SQS SNS S3

Jira Specifications

Documentation in Confluence

BitBucket, Codacy

Karriere-Jura GmbH – May 2020 – July 2020

I enhanced a Document Management System Integration application, that I have previously worked, with new features and to make it more robust.

I also created backup facility for the application, and upgraded Nextcloud.

This was done using Python, Odoo, Nextcloud, Libreoffice SDK, Linux

Sainsburys PLC – January 2019 – April 2020

I worked as a developer in an Agile team, on a Greenfield project developing core micro-services for the product/supplier chain within the organisation, as well as for external services.

My duties were:

- Create automated database obfuscation process to adhere to GDPR legislation.

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- Install, configure environment, and build Lambda functions for micro-services & APIs Using Serverless and AWS SAM Frameworks.
- BDD/TDD Tests as appropriate for all development work.
- Transform and upload initial user data into database system.
- Publish and consume data to and from Kafka topics.
- Migrate MySQL database to PostgreSQL.
- Ongoing support of live system.

The Technology I use are: Python3, Flask, AWS, SQLAlchemy, Docker, Kubernetes, Pytest, Unittest, vcrpy, Alembic, PostgreSQL, MacOS, Linux, github JIRA.

BYND Limited – August 2018 – September 2018

I worked on a project for google.com, developing a web application for extracting data from an in-house content management system and manipulating the data for display via a browser.

The technology used are: Python, Flask, bracket, KintaroCMS, Jinja2, google app engine, pyenv, gitlab on a MacOS platform in an Agile environment.

BBOXX Limited – October 2016 –August 2018

I worked as a Software Developer in the Business Management Team, where my duties include:

- Developing new functionality for the system.
- Building APIs for connectivity between the system and hardware.
- Performance tuning the PostgreSQL database, and Odoo application.
- Create automated tests for all development work.
- Create spans to handle exceptions with Datadog and Sentry
- Generating scheduled reports.
- Bug-fix and maintenance of system.

My areas of expertise are: Python, Flask &openObject Frameworks, Odoo/OpenERP, PostgreSQL, API, AWS, Shell, JSON, Angular/Javascript, RabbitMQ, JIRA, Jenkins, Celery, Datadog, Sentry, github, unittest all on a linux platform in an Agile environment.

Karriere-Jura GmbH – April 2016 – July 2016

I developed an integrated Document Management System which allows LibreOffice documents generation to be initiated within Odoo and automatically populated with data as defined in pre-defined templates, existing document may be modified. All documents are stored in the Owncloud repository, and accessed directly via Odoo. Documents Access is controlled in Owncloud and documents inherit the permissions granted to the templates they are derived from. This application was developed using Python, Odoo9, Libreoffice SDK, PostgreSQL, Owncloud, Shell Script, and Powershell.

Elastacloud – March 2016 – April 2016

I developed a RESTful API which extracts billing data from a Microsoft Azure Cloud Storage. The data is enhanced with business rules, converted to csv, and stored in a different Azure instance. This API was developed under Linux using Python, JSON, Cron and Gerrit Code Review, and is scheduled to be included in Microsoft's Azure Storage Python SDK.

Odoo Application Development - September 2015 – January 2016

I developed an Odoo application which will enable files stored on an Owncloud/Nextcloud file-hosting repository to be accessed, attached and shared links created within Odoo. The software is developed using Python, RESTful APIs, JSON data exchange, PostgreSQL, OpenObject Framework, Linux, Odoo v9 ERP, Bitbucket and Github,

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PHP, MySQL. Other aspects of the project included setting up and configuring the full stack Linux development environment and the website hosting. The application is currently for sale at the Odoo App store (<https://www.odoo.com/apps/modules/9.0/owncloud/>).

erpsoftapp April 2015 – September 2015

Develop an automated scheduling system in Odoo ERP which allowed the client to prioritise the assign resources to customers as required, using amongst other things, their proximity to the customer using geo-location, and their availability, etc. Other aspects of the project involved full stack installation and configuration of development environment, developing Odoo reports and providing archiving facilities. The application was developed using Python, Odoo8, OpenObject Framework, PostgreSQL, RESTful APIs, JSON, Owncloud, GitHub in a Linux environment.

Zeraxis 5th September 2014 – 19th December 2014

I worked here to deliver a connector which will allow synchronisation between a front-end e-commerce system built using Magento, and a backend warehouse system built in Odoo ERP. The technology used here is Python, Odoo, Magento, PHP and MySQL.

SpottedPrice.Com 5th January 2013 – 03-January 2014:

I have developed a dynamic Content Management System website which empowers members/consumers to wield their purchasing influence by creating a perfect pricing environment through the sharing of product prices they have researched. The system is developed using PHP, MySQL, Joomla, Chronoforms, Javascript, Python, Ajax, Mootools, JSON, CSS, HTML, Apache, Subversion and GitHub under the Linux operating system. I also incorporated Facebook and Twitter into the system. I set up a LAMP stack both on a webhost and on a standalone linux machine. All background task and communication with users are scheduled using cron. The website is currently live.

Search and Rescue 10th October 2013 – 5th June 2014:

I have been developing a web based system for tracking the missing persons. The system has got different access levels and uses geo-location grid references to record the missing and found locations. Reports are generated from the system, and exported into Excel spreadsheets. The system is developed using PHP, MySQL, Joomla, Chronoforms, Javascript, Ajax, Mootools, JSON, CSS, HTML, Apache, Subversion and GitHub under the Linux operating system. This is currently in production.

20th March 2013 – 30th September 2013:

I was privately developing Android Applications using Java, MySQL, Linux, PHP, Eclipse, XML and Phonegap.

I have been working on a private web based content management system project, which is nearing completion. The technology is based on Linux, Joomla, PHP, MySQL, Javascript, Ajax, JSON, Sybase, Apache, Perl, CSS, HTML, Subversion, GitHub and Chronoforms under Linux.

The Anthony King Company(Formerly Tick Tick Media)1st November 2010 – 20th Jan 2011

I worked here as a web designer/developer creating additional web pages for the website to enhance the profile of the client.

The Anthony King Company(Formerly Tick Tick Media)1st October 2009 – 31st March 2010

I work on here on a part time basis, as a web designer/developer. My role was to design and enhance the website promotion of the client through performance instructional DVDs and also through one to one and group workshop sessions. I also migrated the website and blog to a new web host. The skills I used are MySQL, PHP, Apache, CSS, Javascript, XHTML, Zend Studio, HTML, Linux, Wordpress and Adobe Photoshop.

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Non-IT media related work

2nd March 2009 - October 31st 2009

I have been doing some media work, such as one of the leads in a music video, and Backing Vocals/Dancer for a group and appearing in a DVD for dance workshops.

UBS

13th February 2006 – 4th October 2008

I worked here as a Global One Developer in the Prime Brokerage Department.

My main responsibilities were to liaise with the users, write functional specifications and develop routines for uploading and downloading external and internal trade and collateral data feeds and reports to and from Global One. There was also maintenance of the Global One application. I was also responsible for the migration of data and stored procedures from Sybase to Oracle. The skills I used on this project were Perl, UniData, Unix(Solaris), Sybase, Oracle, MQ, XML, SWIFT, Autosys, Clearcase, Business Objects.

Paternity Leave

30th October 2004 – 12th February 2006

In the main, I was on paternity leave, but I also did some media work, such as record television advertisements, and feature in a visual arts DVD.

UBS

1st November 2000 – 29th October 2004

I was a developer on 3 projects:

Global Cost Funding - used for Cash Management & Funding, Fails Management, Interest Claims and Interest Charges. I was responsible for developing new key functionality to the system, and optimising the existing stored procedures, triggers, indexes, and utilising Sybase replication. The core skills used were Sybase, Unix(Solaris), Perl, MQ Series XML & Clearcase, and some exposure to Java.

Reconciliation - used for comparing two sets of data (i.e., reconcile trades, positions, transactions, balances, and static data) from two different systems, and reports the differences ('breaks') and matches. The technology is C, Unix (Solaris) & Sybase.

Payments – a new accounting and payments system, for making real time payments to SWIFT and updating a ledger system, using C, Sybase, Unix(Solaris), Clearcase, MQ Series, XML & Clearcase.

Commerzbank

7th August 2000 - 13th October 2000

I working here as a consultant for Mentor Computer Services.

My work here has been to develop a set of feed modules to upload and process Telekurs International Securities data, the data covers most types of equity and debt instruments, e.g. shares, Bonds, Warrants. I also develop modules for uploading Telekurs Futures and Options Instrument data. Both processes are currently undergoing system test.

The technology is Sybase, Unix, Linux & Perl.

Paternity Leave

4th March 2000 - 6th July 2000

Goldman-Sachs

3rd August 1999 - 3rd March 2000

I worked in the Compliance Department, primarily involved in writing technical specifications and developing a set of reports showing Partner/Employee Trading activity and Counterparty activity. The technology was Sybase, Unix, Perl, CGI, PDF, HTML and JavaScript. The reports are generated upon completion of the overnight process, in PDF format and access via a web page.

Other duties included enhancing the online maintenance system, and supporting the overnight system regionally (i.e. New York, Tokyo, Hong Kong and Frankfurt)

Citibank NA

31st October 1995 - 31st January 1999

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I work in the Financial Control Department of Citibank as an Analyst/Programmer, where I have been involved in the development and enhancement of a system which uploads monthly and daily COSMOS financial information of derivative products from all regions. The data is mapped to regulatory data to provide balance sheets and profit and loss statements. The system also allows the maintenance of static data, mapping tables and making financial adjustments to legal and management books. Regulatory reports are produced and budget and forecasting information is maintained. There is also a facility for performing ad-hoc queries on the system, and uploading spreadsheets.

My duties have included:

Development and support of live financial control application and reporting using Sybase, Transact-SQL, C, Unix, SQR, DCL, Windows NT and Uniface.

Database conversion and regional servers alignment using C, Unix, Sybase, DB-Lib and Open VMS.

Design and develop and support of automatic process for release of software and database changes, globally to regions around the world using C, Sybase, Uniface, Open VMS RTL, DBLib, CTLib and DCL scripts.

Develop enhancement for SQRibe Technologies using C,CTLib and incorporated into their new release.

Holidays/Travel

24th July 1995 – 10th September 1995

Logica UK Limited

24th April 1995 – 24th July 1995

I worked as a consultant on the DHL Worldwide Express project for Logica UK. I was involved in the development of a system providing facilities for registering, tracing and investigating customer requests, The system is also used to record shipment and customer details, and compensation offers.

The system was developed using C, Windows Uniface, Staffware, and the INFORMIX 6.0 database on the HP Unix 9000 Series platform, with a client server architecture.

Credit Suisse Financial Products

12th July 1993 – 19th April 1995

I worked at Credit Suisse Financial Products as an Analyst/Programmer, where I was involved in the development of a system providing cash flow management, cost of funding, payments confirmation and management of standard settlement instructions. The system receives trade and cashflow information from Devon, GLOSS and Rolfe and Nolan systems and provides the balance calculation and enquiry facilities. Cash flows generated from front office internal time deposits used to manages short term risk are also processed.

Forward projected cash balances by trading book and bank wide are provided for traders, with information downloaded to risk management Lotus/Excel spreadsheets. Settled cash information is used for settlement and output to accounting general ledger and nostro reconciliation systems.

The system was developed using Sybase,Transact-SQL, C, Unix, Rdb, Uniface and interfaces to systems developed in C++/Sybase/Unix. The cash management system shares trade data with systems providing credit risk analysis (OEM and MTM) and structured trade notional principal calculations.

My other duties included:

Ongoing development/enhancement/user support of live system.

Write tools using C, for conversion and implement conversion of Uniface forms from RDB to Sybase.

Database Analysis for conversion of system to Sybase from RDB database.

Support of overnight processing.

Formal Training: Capital Markets.

EDUCATION AND QUALIFICATIONS

South Bank University

BSc (Hons.) Computer Science

Ashbourne Tutorial College

'A' Levels

Pure Mathematics, Physics, Chemistry.