

Oghenefejiro Abohweyere

Software Developer

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SUMMARY

Software Developer with 4+ years of experience in Java, Python, microservices, and RESTful APIs, delivering measurable results like securing \$100K+ in funding and reducing deployment times by 20%. Proficient in database technologies (SQL, NoSQL, Graph Databases), cloud platforms (AWS, Azure), and CI/CD tools (Jenkins, Travis). Skilled in infrastructure automation, unit testing, and messaging systems like RabbitMQ, with a focus on scalable and high-quality solutions.

WORK EXPERIENCE

Software Developer, 247 Labs Inc., Toronto, Canada

Apr 2022 - Present

- Secured \$100K+ in government funding using Java, SQL (PostgreSQL) and RabbitMQ to develop a bulk download distributed system in a backend application, increasing mean download speed by 15%
- Wrote unit tests using Java and Python during the development of microservices architecture, ensuring high code quality and reducing production bugs by 15%
- Developed an AI chatbot using Python, SQL (PostgreSQL), Large Language models from AWS Bedrock and knowledge of TCP/IP and HTTP, improving user engagement by 18%
- Reduced workload through automation using Jenkins, Docker, Kubernetes and Linux shell scripting to deploy backend software to cloud platforms like AWS and Azure, reducing average deployment time by 20%
- Engineered database adapters to migrate from MongoDB to AWS DynamoDB, cutting scaling costs by 9% in a JavaScript RESTful API

Software Developer, Upwork inc., San Francisco, United States

Jul 2019 - Mar 2022

- Developed an admin dashboard using Python, SQL and data visualization, enabling monitoring of system metrics stakeholders, reducing administrative task completion times by 30%
- Reduced image sizes by 10% using Docker multi-stage builds to increase efficiency while deploying backend software to Linux Operating Systems (Red Hat and Ubuntu) and across diverse infrastructure environments
- Optimized high-traffic backend API endpoints using Redis, reducing average response times by 40%
- Participated in Github and Gradle source control workflows by creating pull requests, conducting code reviews for 100+ submissions, and collaborating with teammates to ensure high-quality, maintainable code
- Utilized integrated development environments such as Eclipse and Visual Studio Code, streamlining development workflows and debugging processes

PROJECTS

3-way merge Golang API

- Designed and developed a Golang backend that automatically merges changes in 3 versions of a file into a single merged file using a 3-way merge algorithm written from scratch
- Created a UI tool using React and TypeScript to allow users to interact with the 3-way merge backend, enhancing accessibility for data manipulation while providing clear conflict resolution paths for versioned data
- Automated deployment of cloud infrastructure using AWS Lambda and AWS CDK, significantly improving deployment speed

BTree Database Index

- Implemented a BTree data structure using C++ as the backbone of a larger custom database project
- Developed unit tests for the data structure, ensuring robustness through automated testing and build validation using CMake and Catch2 test framework, demonstrating attention to reliable, fault-tolerant system design

SKILLS

Programming	: Python, Java, Golang, TypeScript, JavaScript, C++, C#
Backend Development	: REST APIs, SDK APIs, gRPC, SQL (PostgreSQL, MySQL), NoSQL (AWS DynamoDB, MongoDB)
Cloud Services	: Docker, AWS (SQS, Lambda, S3, RDS, Elastic Beanstalk, EKS), Terraform
Testing & Automation	: Unit Testing (JUnit, Pytest, NUnit), CI/CD pipelines with Jenkins
Messaging & Collaboration	: RabbitMQ, Kafka, TCP/IP, HTTP, Git, Maven, Gradle

EDUCATION

Ontario Tech University, Courtice, Canada - Bachelor of Science, Computer Science

Jan 2019 - May 2023

Graduated with highest distinction

Relevant Coursework: Database Systems, Algorithms and Data Structures with Java and Python, Computer Networks