

# OBIECHI EBUKA SAMUEL

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## SOFTWARE ENGINEER

Driven and detail-oriented Backend Software Engineer with strong expertise in Go, Java, TypeScript, and Python for building scalable, high-performance systems and APIs. Skilled in cloud development and DevOps, with hands-on experience in AWS, Docker, CI/CD pipelines, and infrastructure as code. A Certified AWS Cloud Developer Associate, passionate about designing robust architectures and optimizing system reliability and deployment efficiency. Proficient in modern frontend frameworks such as React, Next.js, and Vue, enabling seamless collaboration across the full stack. Known for clean code, problem-solving, and delivering efficient, maintainable solutions in fast-paced, agile environments.

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## KEY COMPETENCIES

### Backend Development

- Build scalable, high-performance APIs and services using Go, Java, Python, and TypeScript
- Design and implement microservice architectures and robust database models
- Optimize backend performance, reliability, and maintainability

### Cloud and Devops

- Develop and deploy cloud-native applications on AWS (Lambda, ECS, S3, DynamoDB, etc.)
- Implement CI/CD pipelines, containerization (Docker), and orchestration with Kubernetes
- Use infrastructure as code (Terraform, CloudFormation) for automated provisioning
- Monitor, scale, and optimize system performance, reliability, and cost efficiency

### Full stack Web development

- Build modern, responsive web interfaces with React, Next.js, and Vue
  - Integrate dynamic frontends with secure and efficient backend APIs
  - Ensure cross-platform compatibility and optimized user experience
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## PROFESSIONAL EXPERIENCE

### eCloudValley Technology Sdn. Bhd

Sept 2024 - March 2025

#### Cloud Developer Associate

Developed and deployed scalable cloud applications on AWS using Lambda, EC2, and S3, with infrastructure automated through Terraform and CloudFormation. Built and optimized APIs and microservices using Docker and serverless frameworks, while maintaining security best practices through IAM policies and encryption. Streamlined project processes, reducing delivery time by 15%, and created standardized reporting frameworks that improved visibility and data-driven decision-making.

### eCloudValley Technology Sdn. Bhd

March 2024 - Aug 2024

#### Full Stack Web & Cloud Developer Intern

Contributed to full-stack web development using TypeScript, Vue.js, Node.js, and Express.js, building cloud-native applications optimized for performance and scalability. Assisted in automating cloud resource provisioning with Terraform and Cloud Formation, and collaborated with project managers to plan, track, and execute deliverables on time. Supported documentation, testing, and quality assurance while actively learning and applying new cloud and DevOps tools.

## Freelance Backend and Full stack Web Developer

Oct 2018 - Present

Designed and developed web and backend systems using Go, Java, Python, and TypeScript, integrating APIs, databases, and cloud services. Delivered customized solutions for clients, emphasizing performance, maintainability, and scalability. Continuously learned and applied new frameworks and tools such as React, Next.js, and AWS, adapting quickly to diverse project requirements and solving real-world engineering challenges through self-directed growth and innovation.

## NIIT Port Harcourt, Nigeria

July 2017 - Aug 2018

### Java Programming Instructor

Taught core and object-oriented Java programming, guiding students through hands-on projects and problem-solving exercises. Developed course materials and simplified complex programming concepts to improve learning outcomes. Fostered curiosity, adaptability, and critical thinking among students while continuously refining my own technical knowledge and teaching methods.

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## SKILLS

### Technical Skills

#### Programming Languages:

Go (Golang), Java, TypeScript, Python, SQL, Bash

#### Backend Development:

Node.js, Express.js, Spring Boot, RESTful & gRPC APIs, GraphQL, Microservices Architecture, Event-Driven Systems

#### Cloud & DevOps:

AWS (Lambda, ECS, S3, DynamoDB, CloudFormation), Docker, Kubernetes (K8s), Terraform, CI/CD (GitHub Actions, Jenkins), Serverless Architectures, Infrastructure as Code (IaC), Monitoring & Observability (Prometheus, Grafana, CloudWatch)

#### Database & Storage:

PostgreSQL, MySQL, MongoDB, Redis, DynamoDB, ORM Tools (Prisma, Hibernate, Drizzle)

#### Frontend & UI Development:

React, Next.js, Vue.js, Tailwind CSS, API Integration, Responsive Web Design

#### Software Engineering & Architecture:

System Design, Clean Architecture, Distributed Systems, API Security, Scalability & Performance Optimization, Agile Development

#### Tools & Collaboration:

Git, GitHub, GitLab, Linux, VS Code, Docker Compose, Postman, Jira

#### Others:

Cloud-Native Development, Container Orchestration, Edge Computing, Generative AI Integration (OpenAI, AWS Bedrock), Continuous Delivery & Automation

### Soft Skills

- **Collaboration & Teamwork**
- **Problem Solving**
- **Communication**
- **Adaptability**
- **Leadership & Ownership**
- **Agile & DevOps Mindset**
- **Time Management**

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## EDUCATION & CERTIFICATIONS

### Certified AWS Cloud Developer Associate

### Bachelor of Software Engineering

Majors: Software Engineering  
University Putra Malaysia

### Java Programming

NIIT Port Harcourt Nigeria

### O Levels

Majors: Science  
Brainfield Secondary School

## EXTRACURRICULAR ACTIVITIES

### President, Intl@FSKTM

University Putra Malaysia

### Community Service

University Putra Malaysia

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## PROJECTS

### HEmart – Cloud-Native E-commerce Application (POC)

Developed a proof-of-concept e-commerce platform showcasing scalable, serverless architecture and AI-driven personalization.

- Frontend: Built with Vue.js, featuring dynamic product listings, shopping cart, and search functionality.
- Backend: Designed RESTful APIs using Node.js and deployed via AWS Lambda and API Gateway.
- Cloud & AI: Integrated AWS S3, CloudFront, and Serverless Framework for scalability, with Generative AI used for personalized recommendations and smart search.
- Highlighted skills: Full-stack development, Serverless design, AI integration, AWS Cloud.

### Mantap – Project Management System (Personal Project)

- Frontend: Developed an interactive UI in React, enabling task creation, progress tracking, and team management.
- Backend: Implemented Express.js APIs for authentication, task handling, and access control.
- Deployment: Containerized with Docker, deployed via Nginx for high performance and scalability.
- Highlighted skills: Full-stack development, Containerization, Deployment Automation.

### Nimbus – Cloud Infrastructure Automation Platform (Personal Project)

Designed a DevOps automation platform to streamline cloud resource provisioning and deployment.

- Automated AWS infrastructure setup using Terraform and CloudFormation templates.
- Integrated CI/CD pipelines via GitHub Actions and Jenkins for zero-downtime deployments.
- Implemented monitoring and alerting with Prometheus and Grafana dashboards.
- Highlighted skills: Cloud & DevOps, IaC, CI/CD, Observability.

### GoTasker – Scalable Task Management API (Backend & Cloud Project)

Engineered a high-performance, cloud-native task management API using Go (Golang), showcasing advanced backend architecture and DevOps practices.

Implemented microservices with gRPC, PostgreSQL, and Redis for caching, ensuring optimized concurrency and performance.

Containerized services with Docker and deployed via Kubernetes, demonstrating cloud scalability, CI/CD automation, and system reliability.