

Uchechukwu Ahunanya

Senior Java / Backend Engineer

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PROFILE

Senior Backend Engineer with 5+ years of experience designing and operating production systems in Java, with deep expertise in language tooling, distributed systems, and cross-platform integration. Proven track record building compilers, language servers, and networked backend services, alongside strong infrastructure and DevOps fluency across AWS and GCP. Background spans fintech, data infrastructure, and AI platforms. Comfortable owning complex systems end-to-end, from architecture and implementation through testing, deployment, and production support.

CORE TECHNICAL SKILLS

Languages	Java · TypeScript · Node.js · Python · Golang · Scala · JavaFX
Java Ecosystem	JVM internals · WebSockets · Networking · LSP tooling · Rascal MPL · Compiler design
Cloud	AWS (EC2, ECS, Lambda, S3, RDS, CloudWatch, IAM) · GCP (Cloud Run, GKE, Firestore)
IaC / Infra	Terraform · Terragrunt · Ansible · Helm
Containers	Kubernetes · Docker · Docker Compose · EKS · GKE
CI/CD	GitHub Actions · GitLab CI · ArgoCD · FluxCD · Jenkins
Messaging	Kafka · RabbitMQ · SQS
Databases	PostgreSQL · MongoDB · Redis · MySQL
Observability	Prometheus · Grafana · ELK Stack · Datadog · OpenTelemetry

WORK EXPERIENCE

Senior Backend Engineer (Java / Fintech) | *Checkoff*

11/2025 – Present · Contract · Remote

- ▶ Design and maintain backend services in Java on top of Apache Fineract, extending core banking modules for savings, loans, and transaction processing in a regulated fintech environment.
- ▶ Set up and configured Apache Superset for financial reporting and analytics, enabling stakeholders to self-serve dashboards on transaction volume, loan performance, and reconciliation metrics.
- ▶ Implemented Spark SQL pipelines for OLAP-style financial reporting, building aggregation and rollup queries over large transactional datasets to support finance and compliance reporting.
- ▶ Owned DevOps responsibilities for the platform: Terraform-provisioned AWS infrastructure, CI/CD pipeline maintenance, and containerised deployment of Java services via Docker and Kubernetes.
- ▶ Collaborated with compliance and finance stakeholders to ensure data integrity and auditability across reporting pipelines built on Fineract data.

Senior Backend / Software Engineer | *Lybertine*

07/2025 – 07/2026 · United Kingdom · Remote

- ▶ Drove full-stack development across Lybertine's microservices, contributing to backend service design, database architecture, and system integration decisions.
- ▶ Contributed to system design and technical decision-making for scalable, maintainable, and cloud-agnostic backend architecture.
- ▶ Owned CI/CD pipelines (GitHub Actions, GitLab CI) governing how backend services moved from development to production.
- ▶ Introduced regression safeguards, expanded automated test coverage, and enforced UAT and acceptance-criteria validation across backend services.

- ▶ Authored engineering documentation and development guidelines, establishing standards for code quality, testing, and review across the backend team.

Backend / Software Engineer II | *Upfirst*

02/2025 – 05/2025 · Miami, Florida · Remote

- ▶ Implemented backend workflows in Node.js and TypeScript enabling customers to configure AI agents to carry out user-defined actions, including the service layer connecting configuration to execution.
- ▶ Built observability and monitoring infrastructure to ensure backend system issues were detected and resolved before reaching customers.
- ▶ Spearheaded backend maintenance efforts to ensure system stability while new services and features were actively deployed.

Software Engineer II | *Periteleos*

04/2023 – 02/2025 · USA · Remote

- ▶ Implemented multiple SQL dialect compilers (HQL, Athena SQL) using Rascal MPL, a specialised meta-programming language for building language tools and compilers.
- ▶ Built a WebSocket solution in Java to extend Rascal MPL functionality, enabling a Language Server Protocol (LSP) implementation to interact seamlessly with a CLI built in Python, requiring deep knowledge of Java networking, sockets, and cross-language protocol design.
- ▶ Implemented a test system in Rascal MPL to validate language and compiler artifacts, improving reliability and team confidence in shipped tooling.
- ▶ Developed automated data transformation pipelines for on-premise and cloud data systems, integrating backend services with infrastructure provisioning.
- ▶ Generated and managed Terraform modules for cross-platform infrastructure provisioning on AWS, ensuring consistency for services running the compiler and backend tooling.
- ▶ Built and deployed Oozie artifacts for ETL workflow orchestration, integrating Java-based backend components with data pipeline infrastructure.

Software Engineer | *Dedukt*

11/2021 – 04/2023 · Lagos, Nigeria

- ▶ Implemented a backend savings and transaction processing system utilising Apache Fineract and Mifos (Java-based fintech platforms), resulting in a 30% reduction in operational workload.
- ▶ Authored and maintained backend APIs and technical documentation to ensure smooth system integration.
- ▶ Implemented ETL pipelines to manage backend data migration for loans into a Loan Origination System (LOS).
- ▶ Led backend maintenance efforts for the organisation's systems to ensure stability and reliability.

PROJECTS

SeekMake | *SaaS Platform*

11/2024 – 03/2025 ·

A SaaS platform enabling manufacturers to manage their business, customers, invoicing, and product timelines. Built full-stack backend services with TypeScript and Node.js, including infrastructure provisioning and CI/CD pipeline design.

WakeFlow |

03/2022 – 05/2022 ·

Workflow automation project. Designed and built automated backend pipeline infrastructure and services.

INTERESTS

Backend & Distributed Systems · Compiler & Language Tooling · Cloud Architecture · Microservices · Technical Writing · Blockchain · Data & Databases

CERTIFICATIONS

JavaScript Algorithms and Data Structures Certification