

Timilehin Makanjuola

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Senior Software Engineer

Professional Profile

Senior Software Engineer with **5+ years' experience** designing, building, and maintaining **scalable, secure, and high-performance backend systems** across SaaS and enterprise environments. Strong background in **backend engineering, API design, microservices, cloud-native development, and system optimisation**, with proven ability to deliver measurable improvements in performance, reliability, and delivery speed. Experienced working in **Agile/Scrum teams**, collaborating cross-functionally with product, UX, and commercial stakeholders. Currently operating in **remote, fast-paced SaaS environments** and enterprise-scale organisations.

Core Technical Skills

Programming Languages

JavaScript (Node.js), Python (Django), Java, C#, C/C++, HTML, CSS

Backend & Architecture

RESTful APIs, Microservices Architecture, Authentication & Authorisation (JWT), Event-Driven Systems, System Design

Databases

PostgreSQL, MySQL, MongoDB

Cloud & DevOps

Docker, Kubernetes, Helm, Terraform, AWS, CI/CD Pipelines

Testing & Quality

JUnit, Mockito, Cypress, Automated Testing Strategies, Test-Driven Development (TDD)

Engineering Practices

Performance Optimisation, Code Reviews, Refactoring, Mentoring, Agile/Scrum

Professional Experience

Software Engineer

TrendMind — Remote
Feb 2025 – Present

TrendMind is a SaaS platform enabling content performance tracking and workflow automation for professional users.

- Designed and delivered **scalable backend services and REST APIs** supporting analytics, integrations, and high-volume user activity tracking.
- Improved **API response times by ~25%** through database query optimisation, indexing strategies, and response caching.
- Built **maintainable data processing pipelines** to support reporting and performance insights at scale.
- Collaborated cross-functionally with **product, commercial, and non-technical stakeholders** to scope, prioritise, and deliver business-critical features.
- Strengthened long-term code quality through **refactoring, structured code reviews, and improved automated test coverage**.
- Supported **CI/CD pipelines and production deployments**, ensuring reliable and repeatable releases in a fast-moving startup environment.

Technical Environment: Node.js, React, PostgreSQL, Docker, REST APIs, CI/CD

Software Engineer

Dreamlines GmbH
Dec 2021 – Nov 2024

- Led development of **core web and backend features**, reducing feature delivery timelines by approximately **30%**.
- Reduced **API latency by up to 40%** through database indexing, query tuning, and caching mechanisms.
- Designed and implemented a **fault-tolerant microservice** for multi-channel payment processing, improving transaction reliability and system resilience.
- Worked closely with **UX designers and product managers** to deliver responsive, cross-platform user experiences.
- Conducted **code reviews and mentored junior engineers**, improving code quality, consistency, and overall team velocity.

- Contributed to **CI/CD pipelines** and participated actively in Agile ceremonies, sprint planning, and technical design reviews.

Technical Environment: JavaScript, Node.js, Microservices, PostgreSQL, Docker, CI/CD, Agile

Software Engineer

AFPRINT

Nov 2020 – Dec 2021

- Led a **team of 5 engineers** delivering a financial management platform from architecture through to production.
- Designed and deployed **secure, high-availability REST APIs** supporting critical financial workflows.
- Applied **test-driven development (TDD)**, increasing automated test coverage and reducing regression defects.
- Translated complex **business and regulatory requirements** into clear technical designs and user stories.
- Improved system stability and maintainability through **refactoring and peer review processes**.

Technical Environment: Java, REST APIs, SQL Databases, TDD, Agile

Software Engineer

Alphamead Technologies

Jul 2019 – Sep 2020

- Developed **backend microservices** supporting enterprise business process management systems.
- Built full-stack applications using **Django and Java**, including an electronic voting system.
- Designed and tested a **mock aptitude-test platform** simulating real examination conditions.
- Collaborated with stakeholders to refine requirements and deliver **production-ready solutions**.

Technical Environment: Python (Django), Java, REST APIs, SQL

Education

MSc, Advanced Computer Science
University of Leicester — **May 2024**

Certifications

Certified Network Security Specialist (CNSS)
International Cybersecurity Institute — **2020**

Selected Projects

- **Comment & Like System:** Designed and implemented a nested comment and reaction system using React, Node.js, and PostgreSQL.
 - **Authentication System:** Built a modular **JWT-based authentication and authorisation framework**.
 - **Analytics Dashboard:** Developed real-time analytics dashboards using **Python and Streamlit** for data insights.
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References

Available upon request