

GIDEON BAMULESEYO

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FULL-STACK SOFTWARE ENGINEER

Python Developer with 7 years of experience designing, implementing, and scaling backend systems, RESTful APIs, SOAP APIs, and cloud-native services using Python, Django, Flask, and AWS. Experienced across fintech, and enterprise environments, with a proven record of delivering secure, high-performance platforms that improve reliability, reduce costs, and scale to large user bases. Seeking full-time (W2) or contract roles in backend, frontend, full stack, focusing on scalability, security, and measurable business outcomes.

CORE SKILLS

Programming Languages: Python, JavaScript, TypeScript, Java

Backend: Python (Django, Django Rest Framework, FastAPI, Flask), Node.js, Celery, Kafka, RabbitMQ

Frontend: React, Typescript, Tailwind CSS, Shadcn UI,

Web Services: REST, JSON, GraphQL

Databases: MongoDB, Postgres, MySQL

Cloud: AWS (EC2, EKS, EBS, EFS, S3, Lambda, CloudFormation, CloudWatch), Heroku, Firebase

DevOps: Docker, Kubernetes, Jenkins, Terraform, Ansible

Testing and Quality Pytest, Unit/Integration Testing, Cypress, CI/CD pipelines

Other Tools: Git, GitHub, JIRA, Bitbucket, Vite, Cursor, Claude

WORK EXPERIENCE

RAMANI (*Y Combinator-backed Fintech*)

Lead Web Developer | Jun 2020 - Feb 2025

Ramani is a fintech startup building supply chain infrastructure. Led and developed the Sales and Procurement system.

- Led the end-to-end development of a procurement application using React, Python Django, Redis, and AWS, enabling distributors, brands, and lenders to process 8,000+ orders worth over \$400M USD.
- Automated the registration of Virtual Fiscal Devices (VFDs) to the Tanzanian Revenue Authority system, a core onboarding component, using React, Python, and AWS, reducing customer onboarding time from days to under 1 hour.
- Implemented Error Monitoring across all applications with Sentry and Firebase, reducing error triage time from days to under 30 minutes.
- Improved API performance by 80% by caching frequent queries with Redis, significantly enhancing system responsiveness for high-volume requests.
- Delivered core backend and frontend features using React, Python Django, MongoDB, and PostgreSQL, enabling Ramani to sign 5+ major brands (including Coca-Cola Tanzania) and secure over \$7M USD in VC funding.
- Migrated a production database of 150k+ documents from Firebase Firestore to MongoDB using Python, improving scalability and query flexibility.
- Developed advanced MongoDB aggregation queries powering a reporting tool, enabling customers to visualize sales data and doubling production efficiency for multiple clients.
- Integrated product analytics using Mixpanel, Hotjar, and Firebase Analytics, enabling data-driven insights into feature usage and user behavior. These insights guided product priorities and improved feature adoption across clients.
- Developed mobile procurement reporting via WhatsApp using Twilio and React Native, allowing distributors to easily track and manage orders directly through messaging, improving engagement and accessibility for mobile users.
- Led client visits and A/B testing initiatives to gather real-world feedback and validate product hypotheses, resulting in improved user experience and higher feature adoption rates.

ANDELA

Software Engineer | Jul 2018 - Mar 2020

Andela is a global talent marketplace that connects top developers with companies as full-time remote team members.

Built features for software, maintain software, and fix bugs

- Collaborated with a team of 5 to develop and deploy a full-stack blogging application using Python Django and React in 12 weeks, resulting in a functional demo used to onboard new engineers in simulation projects.
- Mentored 10 junior developers over a 2-month simulated project, improving their code quality and team communication, leading to all of them getting promoted.
- Designed and implemented a maintenance and issue-tracking application using Python Flask and React, streamlining bug reporting workflows and reducing average issue resolution time by 30%.
- Wrote unit and integration tests using pytest and Jest, maintaining a test coverage of over 85% and reducing regressions during feature releases.

FREELANCE

Australian Settlements Limited | Nov 2022 - Jan 2023 Senior Software Engineer

- Developed scalable ETL pipelines using AWS, Terraform and Python to process and settle Direct Entry payment files, ensuring reliable and timely transaction settlements across financial institutions.
- Automated validation of payment files using Python scripts and Regular Expressions, catching 95% of format-related errors before they reach downstream systems and improving file ingestion success rates.
- Optimized data transformations and storage using AWS and Delta Tables, contributing to a 30% reduction in daily processing time for bulk financial data batches.

INDEPENDENT PROJECTS

Diary Entries

- A full stack React and Node.js application to capture diary entries and summarize them using AI. • Utilized TypeScript, JavaScript, React, Node.js, Express.js, OpenAI, and MongoDB.

EDUCATION

Maharishi International University

Master of Science, Computer Science

Feb 2025 - Present

Fairfield, Iowa, USA

Makerere University

Bachelor of Science, Computer Science

Aug 2014 - Jun 2019

Kampala, Uganda