

GIDEON BAMULESEYO

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FULL-STACK SOFTWARE ENGINEER

Results-driven Full-Stack Developer with over 6 years of experience designing and deploying scalable web and data systems across fintech, logistics, and SaaS sectors. Proven track record of leading end-to-end development of high-impact applications, reducing operational bottlenecks and enabling \$400M+ in processed transactions, and building systems that drive business growth—contributing to funding milestones and enterprise partnerships, including Coca-Cola Tanzania. Skilled in full-stack development, performance optimization, database migrations, and data pipeline automation using tools and technologies like React, TypeScript, Node.js, MongoDB, PySpark, AWS Glue, and PostgreSQL.

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- System Design & Architecture • CI/CD • API Design & Integration • Performance Optimization & Scalability
 - Cloud-based Infrastructure & Deployment • Database Management & Data Modeling • TDD & Automated Testing
 - Problem Solving & Debugging • Mentorship & Technical Leadership

Languages: JavaScript, TypeScript, Python

Web: HTML, HTML5, CSS, React

Web Services: REST, JSON

Web/App Servers: Node.js

Frameworks: Express, Next, Flask, Django

Databases: MongoDB, Postgres

Design Patterns: MVC, Clean Architecture

SDLC: Agile, Scrum

Tools: AWS Glue, AWS S3, PySpark, Git, Github, JIRA, Material UI, Redux, bitbucket, Heroku

Platforms: Windows, MacOS

CAREER NOTE: Completed on-campus studies and currently taking distance education courses to complete a **Master's Degree in Computer Science** (Available for full-time, W-2 employment).

PROFESSIONAL EXPERIENCE

RAMANI, Dar es Salaam, Tanzania • 06/2020 – 02/2025

Ramani is a fintech startup building supply chain infrastructure.

Lead Web Developer

Led and developed Sales and Procurement system.

- Automated the registration of Virtual Fiscal Devices (VFDs) to the Tanzanian Revenue Authority system, a core onboarding component, using React, Express, MongoDB, and AWS, reducing customer onboarding time from days to under 1 hour.
- Led the end-to-end development of a procurement application using React, Node.js, Redis, Firebase, and Heroku, enabling distributors, brands, and lenders to process 8,000+ orders worth over \$400M USD.
- 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 Express, 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 by using Node.js, 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.

Technologies Used: JavaScript, Typescript, React, Material UI, Redux, git, bitbucket, JIRA, Heroku, Node, Express JS, MongoDB, Redis, Postgres, Amazon S3.

ANDELA, Kampala, Uganda • 07/2018 – 03/2020

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

Software Engineer

Build features for software, maintain software, fix bugs

- Collaborated with a team of 5 to develop and deploy a full-stack blogging application using 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 80% achieving promotion-readiness by the program's end.
- Designed and implemented a maintenance and issue-tracking application using Flask and React, streamlining bug reporting workflows and reduced 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.

Technologies Used: Python, JavaScript, Node, Express, React, Flask, Django, MongoDB, Postgres, Heroku, Jest, Mocha, pytest.

INDEPENDENT CONTRACTOR EXPERIENCE**Australian Settlements Limited, Sydney, Australia • 11/2022 – 02/2024**

ASL is a payment processing company.

Senior Software Engineer

Built ETL pipelines for ASL Direct Entry files

- Developed scalable ETL pipelines using AWS Glue and PySpark 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 reached downstream systems and improving file ingestion success rates.
- Optimized data transformations and storage in S3 and Delta Tables, contributing to a 30% reduction in daily processing time for bulk financial data batches.

Technologies Used: Python, PySpark, AWS Glue, Amazon S3, GitHub, Git.

ACADEMIC PROJECTS**Maharishi International University (2025)**

Diary Entries: A web application to capture diary entries and summarize them using AI. Utilized TypeScript, JavaScript, React, Node.js, Express.js, Open AI, MongoDB.

EDUCATION**Master of Science in Computer Science**

(In progress via distance education; expected completion 10/2027)

Maharishi International University, Fairfield, Iowa

Key Courses: Web Application Programming, Modern Web Applications, Algorithms, Enterprise Architecture

Bachelor of Science in Computer Science

Makerere University, Kampala, Uganda (06/2019)