Komla Sodji
Senior Senior Software Engineer

SUMMARY

- Senior Software Engineer with 8+ years of experience in fintech, e-commerce, SaaS, and healthcare, specializing in scalable backend and frontend solutions using Node.js, Python (Django), React.js, and AI frameworks like LangChain.
- Proven expertise in designing high-performance REST APIs, secure AWS Cognito SSO integrations, and optimizing system efficiency by up to 40% through caching, indexing, and query optimization.
- Strong background in cloud services (AWS Lambda, Cognito), database management (PostgreSQL, MongoDB, Redis), and modern DevOps practices including Azure DevOps and Docker.
- Experienced in AI-driven feature integration, multi-regional third-party service orchestration, and mentoring teams to deliver business-critical systems in agile, distributed environments.
- Holds a B.Sc. in Computer Engineering, with advanced certifications in ReactJS and NodeJS, and fluency in multiple programming paradigms and secure software design principles.

TECHNICAL SKILLS

Main Technical Skills	Node.js (6 yr.), Python (5 yr.), React (6 yr.), LangChain (1 yr.), AI-agents (1 yr.)
Programming Languages	JavaScript (8 yr.), PHP (3 yr.), Python (5 yr.), TypeScript (5 yr.)
AI & Machine Learning	AI-agents (1 yr.), LangChain (1 yr.)
JavaScript Frameworks	Angular (2 yr.), Express, Ext JS, NestJS, Node.js (6 yr.), React (6 yr.)
Python Frameworks	Django REST framework (5 yr.)
PHP Frameworks	Laravel (3 yr.)
JavaScript Libraries and Tools	Redux-Saga (5 yr.), Webpack
Salesforce Ecosystem	Salesforce (1 yr.)
Security	Auth0 (1 yr.)

Databases & Management Systems / ORM	AWS DynamoDB (3 yr.), AWS ElasticSearch (1 yr.), MongoDB (3 yr.), MySQL (3 yr.), PostgreSQL (4 yr.), Redis (4 yr.)
UI Frameworks, Libraries, and Browsers	CSS (3 yr.), HTML
Cloud Platforms, Services & Computing	GCP
Amazon Web Services	AWS Cognito (3 yr.), AWS DynamoDB (3 yr.), AWS EC2, AWS ElasticSearch (1 yr.), AWS Lambda (3 yr.), AWS S3
Azure Cloud Services	Azure DevOps (3 yr.)
Virtualization, Containers and Orchestration	Docker
SDK / API and Integrations	GraphQL, RESTful API (8 yr.), SOAP API (3 yr.), Stripe (1 yr.)
QA, Test Automation, Security	Jest
Message/Queue/Task Brokers	RabbitMQ (3 yr.)
Platforms	Salesforce (1 yr.)
Other Technical Skills	Feathers.js

WORK EXPERIENCE

Senior Software Engineer - MentorMate (Golf Fitting Web Application and Related AI-Driven Features)

Duration: May 2022 - present
Summary:

- Development of a golf fitting web application to help users select and purchase optimal golf balls, including integration of AI-driven features to automate user interactions and data insights
- The project also includes building secure Single Sign-On functionality and enhancing system performance with dealer-role attribution

Responsibilities:

- Lead full-stack development with Node.js backend and React frontend.
- Collaborate with global teams for seamless delivery and high-quality releases.
- Build secure SSO using AWS Cognito integrating authentication across applications.
- Integrate AI-driven features using LangChain and AI agents to enhance personalization.
- Implement dealer-role attribution to improve application efficiency by ~30%.
- Develop REST APIs for Party Mode functionality in a music mobile app using Django, AWS Lambda, and Python.
- Maintain and optimize internal client management tool by resolving bugs and enhancing functionality.

Technologies: Node.js, React, TypeScript, AWS Cognito, Django, AWS Lambda, Python, PostgreSQL, Redis, LangChain, AI Agents

Senior Software Engineer - Mission (Online Insurance Product Development)

Duration: June 2021 - July 2022
Summary: Built an online insurance product featuring a dynamic 2,500+ question form to generate potential buyer profiles, integrating multiple third-party services to streamline workflows across regions.
Responsibilities:

- Developed dynamic form and backend services to handle complex insurance product requirements.
- Integrated third-party services including Auth0, ACORD, Stripe, Salesforce, and digital signature platforms.
- Developed PDF and XML generation from JSON data ensuring consistent data handling.
- Conducted PR reviews and wrote unit and integration tests to maintain code quality.
- Collaborated with global teams to align requirements and delivery.

Technologies: JavaScript, TypeScript, Node.js, Express, Nest.js, Feathers.js, Python, Django, PHP, Laravel, React.js, Redux, Webpack, Jest, Next.js, PostgreSQL, MySQL, MongoDB, Redis, RabbitMQ, AWS (Cognito, Lambda, S3, EC2), Azure DevOps, Docker, ElasticSearch

Senior Software Engineer - IT Consortium (FinTech Banking Integration and Remittance System)

Duration: March 2018 - October 2021
Summary: Development and architecture of banking integration services and remittance systems with mobile money interoperability for one of Africa's leading FinTech companies processing millions of transactions daily.
Responsibilities:

- Architected banking integration services via REST and SOAP APIs.
- Led development of remittance system supporting mobile money interoperability.
- Optimized system performance through indexing, query optimization, partitioning, and sharding.
- Built a scalable online learning platform for children.
- Mentored junior developers and conducted code reviews.
- Collaborated with global teams in Agile projects delivering government and enterprise initiatives.

Technologies: TypeScript, JavaScript, PHP, React, Redux, Angular, Laravel, MySQL, DynamoDB, Redis, RabbitMQ, AWS

Software Engineer - Ghana.com (Hotel Management and Booking Systems)

Duration: March 2016 - February 2018
Summary: Development of hotel management and booking systems integrating payment gateways to improve booking processes and client satisfaction.
Responsibilities:

- Developed hotel management and booking systems using Node.js, JavaScript, Angular, React, CSS, and MongoDB.
- Collaborated with team to debug, upgrade software, and implement client-driven UI/UX improvements.

Technologies: Node.js, JavaScript, Angular, React, CSS, MongoDB

EDUCATION

- **Defitech University College**
  B.Sc Computer Engineering
  2011-2014

CERTIFICATION

- **principles of secure software design**
  2020
- **ReactJS Advance Level**
  2023
- **NodeJS Advance Level**
  2023