

# 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

<b>Main Technical Skills</b>	Node.js (6 yr.), Python (5 yr.), React (6 yr.), LangChain (1 yr.), AI-agents (1 yr.)
<b>Programming Languages</b>	JavaScript (8 yr.), PHP (3 yr.), Python (5 yr.), TypeScript (5 yr.)
<b>AI &amp; Machine Learning</b>	AI-agents (1 yr.), LangChain (1 yr.)
<b>JavaScript Frameworks</b>	Angular (2 yr.), Express, Ext JS, NestJS, Node.js (6 yr.), React (6 yr.)
<b>Python Frameworks</b>	Django REST framework (5 yr.)
<b>PHP Frameworks</b>	Laravel (3 yr.)
<b>JavaScript Libraries and Tools</b>	Redux-Saga (5 yr.), Webpack
<b>Salesforce Ecosystem</b>	Salesforce (1 yr.)
<b>Security</b>	Auth0 (1 yr.)
<b>Databases &amp; Management Systems / ORM</b>	AWS DynamoDB (3 yr.), AWS ElasticSearch (1 yr.), MongoDB (3 yr.), MySQL (3 yr.), PostgreSQL (4 yr.), Redis (4 yr.)
<b>UI Frameworks, Libraries, and Browsers</b>	CSS (3 yr.), HTML

<b>Cloud Platforms, Services &amp; Computing</b>	GCP
<b>Amazon Web Services</b>	AWS Cognito (3 yr.), AWS DynamoDB (3 yr.), AWS EC2, AWS ElasticSearch (1 yr.), AWS Lambda (3 yr.), AWS S3
<b>Azure Cloud Services</b>	Azure DevOps (3 yr.)
<b>Virtualization, Containers and Orchestration</b>	Docker
<b>SDK / API and Integrations</b>	GraphQL, RESTful API (8 yr.), SOAP API (3 yr.), Stripe (1 yr.)
<b>QA, Test Automation, Security</b>	Jest
<b>Message/Queue/Task Brokers</b>	RabbitMQ (3 yr.)
<b>Platforms</b>	Salesforce (1 yr.)
<b>Other Technical Skills</b>	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

