

STENNIS SMITH

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Project Experience

Text-to-Text Application (AWS Polly, API Gateway, Lambda, CloudFront, S3) | [\(Link\)](#) September 2025

- Built a serverless text-to-speech web application using AWS Polly, reducing deployment time by 95% through automated CI/CD pipelines with Terraform.
- Implemented backend logic in AWS Lambda (Python, Boto3), with IAM roles and fine-grained permissions for secure cross-service integration.
- Hosted frontend on Amazon S3 for static hosting with CloudFront for CDN, caching, global distribution, and scalability; integrated API Gateway for secure request routing.

Full Stack Application (AWS Amplify, AppSync, Lambda, DynamoDB) | [\(Link\)](#) August 2025

- Deployed a full-stack application via AWS Amplify, achieving an average deployment time of 70% by automating CI/CD pipelines integrated with GitHub.
- Implemented serverless authentication logic designed to scale to 10K+ users with Lambda and DynamoDB.
- Configured DynamoDB tables with on-demand capacity and partition key design to scale horizontally, supporting growth to millions of users and hundreds of GB of data.

DevOps and Containerization Technologies July 2025

- Engineered a Kubernetes-based deployment platform for Dockerized applications, achieving 99.95% uptime and reducing deployment rollback time from hours to minutes with automated health checks and rollbacks.
- Provisioned and managed containerized applications on AWS using Elastic Container Registry (ECR) and Elastic Container Service (ECS), integrating an Application Load Balancer (ALB) to distribute traffic.

Java Desktop and Web Projects – AmaliTech Graduate Trainee April 2025

- Engineered desktop and web applications using Java FX and Spring MVC framework.
- Integrated data accessibility implementing optimized MySQL database schemas, cutting average query response times by 25%, and enabling faster front-end data rendering.

Redesign of Webpages – Front-end Project November 2024

- Designed high-fidelity, responsive prototypes in Figma for 5+ key user flows, reducing front-end development time by 23% by providing clear, actionable guidance and eliminating ambiguity.
- Modernized and styled the entire application using Bootstrap, achieving a 90+ Lighthouse accessibility score and ensuring a seamless experience across all device breakpoints.

Experience

Junior Software Engineer July 2025 – November 2025

OwnKey

- Developed and launched key Flutter features like video shorts and interactive property listings, leading to a 25% increase in average session duration.
- Partnered with 5-6 backend, testing and operation teams in Agile sprints, contributing to code reviews and scalable feature architecture.
- Optimized REST API data flows with caching, responsive layouts, and performance fixes, improving load times and UI/UX.

Graduate Software Engineer October 2024 – February 2025

Solar Taxi

- Delivered a full-stack Charging Locator app from concept to production with a 3-person team, designing 15+ screens in Flutter.
- Architected and prototyped mobile UI/UX for an EV Charging locator app in Figma, and web screens for the Solar Taxi website redesign.
- Developed and deployed authentication web pages for the website redesign project, hosted on GitHub for remote access.

Asst. IT Officer May 2024 –July 2024

Ministry of Environment, Science, Technology and Innovation

- Diagnosed and resolved 25+ technical support requests, improving first-contact resolution rate by 25% and contributing to a 40% reduction in average request resolution time.
- Facilitated key IT processes, cutting average system response time by 30%, and increasing user satisfaction scores by 15%.

IT Support (Systems Administration)

August 2023 – April 2024

Ghana Commodity Exchange

- Administered and optimized IT infrastructure to ensure reliable performance and cost efficiency.
- Led a Security Education and Training Awareness (SETA) program, strengthening organizational cybersecurity knowledge and preparedness.
- Automated routine administrative tasks, increasing efficiency, and reducing system downtime.

Education

Master of Business Administration: Management Information Systems
University of Ghana Business School

February 2025
Accra, Ghana

Bachelor of Science: Information Technology
University of Ghana

July 2021
Accra, Ghana

Certifications

- AWS Solutions Architect Certification – Associate [[Credential](#)]
- Frontend Web Development, ALX Africa [[Credential](#)]
- ALX Freelancer Academy, ALX Ventures [[Credential](#)]
- AWS Knowledge: Cloud Essentials, Amazon Web Services (AWS) [[Credential](#)]
- Backend Web Development, ALX Africa [[Credential](#)]
- ALX Ventures Gig-at-a-Startup Programme (Prototype Designer), ALX Ventures [[Credential](#)]
- Professional Development for the Digital Age, ALX Africa [[Credential](#)]
- CC (Certified in Cybersecurity) - International Information Systems Security Certification Consortium, ISC2 [[Credential](#)]
- Project Management, Cambridge Center of Excellence [[Credential](#)]

Skills

- **Cloud Platforms:** AWS (EC2, S3, Lambda, IAM, CloudFront, API Gateway)
- **Infrastructure as Code and DevOps:** Terraform, AWS CLI, GitHub Actions.
- Mobile App Development, Flutter/Dart
- Version Control
- Research and Development

- **Programming:** JavaScript, Flutter, Java.
- **Framework:** ReactJS.
- **Databases:** MySQL – relational modelling, query optimization
- **Containerization technologies** (Docker, Kubernetes)
- **System administration** (Linux servers)
- UI/UX Design