

STENNIS SMITH

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Substack: <https://stennismith.substack.com/> | Portfolio: <https://stennis-portfolio.vercel.app/>

Project Experience

AI Resume Analyzer | [\(Link\)](#)

January 2026

- Built an AI-powered web application that analyzes resumes against job descriptions and returns a match score, missing skills, and actionable improvement suggestions.
- Designed a backend API using FastAPI to validate requests, orchestrate LLM inference, and enforce structured JSON responses for reliable frontend rendering.
- Implemented prompt engineering techniques to produce consistent, machine-readable AI outputs instead of free-form text.
- Deployed frontend and backend independently handling real-world constraints and environment-based configuration.

Text-Organizer – Linux Desktop Utility Tool | [\(Link\)](#)

January 2026

- Developed a lightweight Linux desktop application for offline text transformation, supporting construct, strip, and split workflows.
- Packaged and distributed the application as an AppImage, enabling portable execution across Linux distributions without installation.
- Implemented multiple installation paths (AppImage and shell installer) and documented platform limitations related to FUSE compatibility.

Text-to-Speech 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.

Experience

Junior Software Engineer

July 2025 – December 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.
- Designed high-fidelity, responsive prototypes in Figma for 15+ key user flows, reducing front-end development time by 50% by providing clear, actionable guidance and eliminating ambiguity.

- Developed and deployed web pages for a website redesign project, hosted on GitHub for remote access achieving a 90+ Lighthouse accessibility score and ensuring a seamless experience across all device breakpoints.

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)
- AI-Assisted Development and AI Output Validation
- Prompt Engineering
- **Infrastructure as Code and DevOps:** Terraform, AWS CLI, GitHub Actions.
- Mobile App Development, Flutter/Dart
- Data Annotation
- **Programming:** JavaScript, Flutter, Python.
- **Framework:** ReactJS, NodeJS, Express, FastAPI
- **Databases:** MySQL – relational modelling, query optimization
- **Containerization technologies** (Docker, Kubernetes)
- **System administration**
- Version Control
- UI/UX Design