STENNIS SMITH

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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 5+ key user flows, reducing front-end development time by 23% 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**   **February 2025**
University of Ghana Business School   **Accra, Ghana**

Bachelor of Science: **Information Technology**   **July 2021**
University of Ghana   **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