Steven Lee

✉greencode4523@gmail.com 📱+1 (334) 530 5555

Summary

As a senior software engineer with 10+ years of experience, I design and deliver scalable, secure, and production-ready Python and GenAI solutions across the full SDLC. With deep expertise in FastAPI, Agentic AI, RAG pipelines, and cloud-native architectures, I translate complex business requirements into reliable AI-driven applications. I work effectively across teams and with clients, combining strong system design, clean code practices, and clear technical communication.

Skills

Python & Backend Development

Python, FastAPI, Flask, RESTful API Design, Enterprise Integration, Object-Oriented Design, Design Patterns

GenAI & Agentic AI

Retrieval-Augmented Generation (RAG), Prompt Engineering, LangGraph, LangChain, LLM Evaluation, Tracing & Analytics

Frontend & Web

JavaScript, Vue.js, React, Angular, HTML, CSS, Bootstrap, jQuery, Responsive Web Development

Data & Storage

Azure SQL, MongoDB (NoSQL), Schema Design, Indexing, Query Optimization

Cloud & DevOps

Microsoft Azure (API Management, App Hosting), AWS (working knowledge), GitLab CI/CD, Azure DevOps, Automated Build, Test, and Deployment Pipelines

Testing & Quality

Unit Testing, Performance Analysis & Debugging, Code Reviews, Coding Standards

Experience

Andersen

Senior Python / GenAI Engineer   *January 2024 - October 2025*

Project Overview: Led end-to-end development of AI-enabled web applications and APIs, supporting enterprise integrations and cloud deployments.

- Designed and developed Python FastAPI applications following best practices, design patterns, and coding standards to ensure scalability, security, and maintainability.
- Built GenAI solutions using RAG pipelines, prompt engineering, and vector-based retrieval to deliver context-aware, production-grade AI functionality.
- Implemented Agentic AI workflows using LangGraph and LangChain, enabling multi-step reasoning, tool usage, and autonomous task execution.
- Designed and exposed internal and external RESTful APIs, implementing authentication and hosting via Azure API Management in accordance with enterprise standards.
- Collaborated across analysis, design, development, testing, deployment, and support phases, contributing throughout the full SDLC in Agile/Scrum environments.
- Configured Azure DevOps and GitLab CI/CD pipelines for automated build, test, and deployment to QA, Staging, and Production environments.
- Performed unit testing, performance analysis, and debugging, identifying bottlenecks and improving application and database performance.
- Conducted and supported code reviews, ensuring adherence to best practices and consistent code quality across the team.
- Created technical documentation and artifacts to support deployment, maintenance, and knowledge transfer.

Velvetech

AI / Backend Engineer   *January 2020 - January 2024*

Project Overview: Developed AI-driven backend systems and web applications for client-facing and internal enterprise platforms.

- Built and maintained Python-based APIs (FastAPI / Flask) supporting AI/ML workflows and data-driven applications.
- Implemented LLM evaluation, tracing, and analytics, assessing response quality, latency, and cost across model variants.
- Developed frontend components using JavaScript frameworks (React and Vue.js), delivering responsive, user-friendly interfaces.
- Designed data persistence layers using Azure SQL and MongoDB, optimizing schema design, indexing, and query performance.
- Translated complex business rules into reusable service libraries and backend components.
- Worked independently and collaboratively in distributed teams, maintaining clear communication with technical and non-technical stakeholders.

Bytes Technolab

Software Engineer   *January 2015 - January 2020*

Project Overview: Built foundational engineering skills while delivering production systems across backend, data, and integration layers.

- Developed web applications and APIs with strong emphasis on object-oriented design, maintainability, and performance.
- Supported application deployment, troubleshooting, and production support in cloud-hosted environments.
- Collaborated with cross-functional teams to deliver features aligned with business and client requirements.

Education

Bachelor's Degree in Computer Science

National University of Singapore   *2014*

Certifications

Google Cloud Certified: Machine Learning Engineer (2023)

Generative AI with LangChain & LangGraph (2022)