

Austin Ahlijian
Software Engineer
Full Stack

29571 Maplewood
Garden City, MI 48135
austinahlijian@yahoo.com
(734) 589-5618

(Open to relocation)

I bring high energy, attention to detail and enthusiasm to push forward great ideas. I enjoy working in fast-paced, and rapid-changing environments. I strive to address, develop and execute important changes to technologies in a collaborative and compassionate manner. I bring collaborative energy to a working team looking for new ways to solve problems and making strides toward efficiency, not only asking "how can we fix this," but "how can we make this better?"

Skills

AWS | EC2 | ECS | S3 | Sagemaker | CloudWatch | Lambda | RDS

Data | Snowflake | SQL Server | MySQL | DynamoDB | Oracle DB | Database Design & Architecture | Relational Databases

Python | Flask | Django | Robocorp | Sema4.ai | Document Processing | Data Manipulation | API Development | RAG | Model Training


Java | Gradle | Junit | JavaFX | Maven | Java API | Android development

Agile | Kanban | Scrum | DevOps


Azure DevOps | Open AI | Microsoft Power Suite | SharePoint | Power Apps | Power Automate | Git Actions | Apigee | APIs

End-to-End Application Architecture and Design | Object Oriented Programming Practices | Documentation & Design Flows | Custom Library Creation | Clean Code

Education

Bachelor of Computer Science, Eastern Michigan University, Ypsilanti (2022) 

Dean's List

National Society of Leadership & Success 

Professional Experience

Ally – Detroit, MI

Software Engineer (2022-Present)

- **Pioneered the organization's first production-approved Generative AI text classification pattern**, integrating an LLM into legacy workflows to automate complex document analysis and establishing a reusable framework for future AI initiatives.
- **Architected and deployed an AI-driven CI/CD pipeline** that utilizes OpenAI to automatically generate unit tests and code reviews on commit; this enforced Test-Driven Development (TDD) practices and prevented non-compliant code merges across the engineering team.
- **Led the migration of on-premises legacy automations to serverless AWS environments (ECS/Containers)**, resulting in a 70% migration completion rate within the first six months and significantly reducing OS vulnerability risks and infrastructure overhead.
- **Developed the "Terraform Module Updater" (Hackathon Finalist project)**, utilizing AI to automate Infrastructure-as-Code (IaC) updates across GitLab repositories, projected to save **\$100k+ annually** in manual development maintenance.
- Directed the full lifecycle design and development of an internal call center application, achieving a **\$1.1M ROI** by consolidating disparate customer data sources, eliminating manual compilation, and **reducing average call handling time by ~60%**.
- **Architected and deployed full-stack GenAI solutions using Python, LangChain, and RDS vector databases** to automate complex document analysis and competitor research, saving \$300k annually while enabling natural language Q&A on proprietary data.
- Standardize and modernized automation metrics collection organization-wide; subsequently **trained and compared predictive models to generate daily performance forecasts**, significantly enhancing operational visibility.

Martin Technologies - Novi, MI

Sr. Wiring Systems & Electrifications Analyst (2020-2022)

- Designed functionalities and user experiences for an electric vehicle program interface as well as constructed detailed documentation and program flow designs.
- Designed, built and created test beds implementing upcoming technologies to be integrated into the next generations of prototype vehicles.
- Programmed hardware to communicate over a CAN bus using python, as well as parameters programming for integrated hardware.