
EXPERIENCE

AI Application Engineer II – N2N Services Inc. (LightLeap.ai) – Duluth, GA Dec 2024 – Present

- Architected scalable fraud detection pipelines using AWS Step Functions, Lambda, and EventBridge, reducing processing time by 65%
- Designed intelligent agent systems integrating LLM APIs into production web applications, enhancing fraud detection accuracy
- Built and optimized RESTful APIs with JWT authentication and async processing for secure third-party integrations
- Developed Python backend services and Lambda functions with JSONata/pandas data transformation pipelines across multi-tenant environments
- Built ETL workflows using boto3 for DynamoDB/S3 with PostgreSQL/RDS analysis and multi-step data validation
- Engineered full-stack features across React/Vue.js frontends and Python backends, optimizing SQL queries to reduce database load by 48%

Software Engineer – CORL Technologies – Atlanta, GA Aug 2021 – Nov 2024

- Designed scalable backend systems using Python, C#, and JavaScript with best practices for performance and fault tolerance
- Built an LLM API to automate data reuse, reducing processing overhead and enhancing system efficiency
- Implemented event-driven architecture using AWS Lambda, Step Functions, and S3 for reliable data processing
- Analyzed logs with Datadog and Snowflake to monitor system health and optimize customer-facing applications
- Managed Agile sprint cycles for a 3-person team using Jira; conducted code reviews and maintained technical documentation

Web Extraction Developer – VITAL4 – Marietta, GA March 2021 – August 2021

- Developed C# programs to transform unstructured website data into a structured relational database

Web Developer – Quick Relief Solutions – Norcross, GA October 2020 – March 2021

- Developed a website to drive customer intake using **Bootstrap**, **HTML**, **CSS**, and **Javascript**
- Implemented **Firebase Functions** for the “Contact Us” functionality

TOOL PROFICIENCIES

- **Languages:** Python, C#, JavaScript, TypeScript, Java, SQL, HTML, CSS
- **Other Tools:** Git, Cursor, Datadog, Snowflake, DBeaver, Jira, Azure DevOps

PERSONAL PROJECTS

Baitbot

- Created a Discord chat command bot using Javascript and SQLite

Medieval Chess AI

- Collaborated with a team to create a working game and AI using C# and Unity dev kit
- Wrote a depth-first-search algorithm to be used for piece exploration in the game AI

Miscellaneous Projects

- Coded a League of Legends match history query in Python using the Riot Data Dragon / API
- Solved the Closest-Pair Problem using optimal algorithms and performed algorithm analysis
- Designed a Peer-to-Peer system in Batch that allowed 4 different clients to connect to one another
- Implemented a scanner, parser, and interpreter to create a compiler

EDUCATION

Bachelor of Science in Computer Science – Kennesaw State University - Kennesaw, GA

- Graduation Date: May 2021