

Alexander Bahler

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Full-stack software developer with experience building data-driven web applications, responsive user interfaces, AI-powered tools, API integrations, and deploying and maintaining systems on Linux servers and serverless architectures. Actively manages and hosts production websites for live organizations.

Relevant Skills

- Python, Flask, Node.js
- HTML, CSS, JavaScript
- UI/UX Design
- AWS, Netlify
- DevOps
- SQL (PostgreSQL)
- Unix/Linux
- Git, GitHub
- AI, LLM

Education

- Information Technology (B.S.)
 - Arizona State University (Grad: Dec 2025)
- Music (A.A.)
 - Cabrillo College (Grad: Aug 2023)

Experience

July 2023 - Present:

Full Stack Developer – Love Creek Band (lovecreek.band)

- Developed Love Creek's website using Flask, HTML, CSS, JavaScript, reCAPTCHA and Docker
- Responsively designed the layout, color palette and theme to reflect the band's style and heritage.
- Integrated a mailing list signup form and an event page for upcoming shows.
- Containerized the application with Docker and deployed on Linode.
- Utilized flask for backend development, handling routing, data management, and server-side logic.
- Collaborated remotely on deployment tasks and led the full development lifecycle.

May 2018 - Present:

Web Developer / Assembly Technician - INLASE LLC (inlase.com)

Scotts Valley, CA

- Develop, update and maintain the business website using HTML, CSS, and JavaScript.
- Deploy, host, and perform website server migrations through Network Solutions.
- Design the layout and theme to have a modern and professional appearance for clients.
- Assemble and solder high-quality power supplies and conduct quality assurance.
- Ensure timely email communications with customers and vendors.

Projects

February 2026 - March 2026

LexiconBot – AI Chatbot Web Application (lexiconbot.com)

- Architected and developed a custom AI chatbot web application using HTML, CSS, JavaScript, Firebase Authentication, Google Gemma API, and serverless Node.js functions integrated with a PostgreSQL Neon database, hosted on Netlify with continuous deployment from GitHub.
- Implemented secure user authentication using Firebase Authentication to support user registration, login, and session handling.
- Created a customizable lexicon system allowing users to define words, meanings, and usage examples that the chatbot incorporates into its responses, enabling control over the AI's vocabulary and conversational style across multiple lexicons and chat sessions.
- Integrated the Google Gemma API to generate adaptive AI responses using user-defined vocabulary and stored previous messages so the chatbot can maintain conversation context.

August 2025 - October 2025

TraderSim – Stock Trading Simulator (tradersim.netlify.app)

- Built and designed a full-stack stock trading simulator web app using HTML, CSS, JavaScript and serverless Node.js functions integrated with a PostgreSQL Neon database, hosted on Netlify with continuous deployment from GitHub.
- Supports user account creation and login with ability to deposit/withdraw funds, buy/sell stocks, and view current portfolio and transaction history.
- Implemented JSON Web Tokens for user authentication/authorization and role-based access control.
- Includes administrator account functions such as adding new stocks, changing market hours, and manually closing the market.
- Allows functionality for users to queue and cancel their orders during market closure.
- Simulates a real-time market with fluctuating stock prices throughout the day.

May 2025 - June 2025

LexiconBot – AI Discord Chatbot

- Designed and developed an AI-powered Discord bot in Python using discord.py, integrated with a locally hosted Mistral 7B LLM via LM Studio.
- Generates real-time natural language responses using a custom lexicon dataset, without relying on cloud APIs to ensure privacy and low latency.
- Implemented Discord slash command architecture for scalable, user-friendly interactions with autocomplete, supporting over 10 commands such as /summon, /mutate, and /fortune.
- Gained hands-on experience with LLMs, local inference workflows, generative AI applications, and real-world NLP integration in user-facing systems.

April 2024 - December 2024

JavaScript 2D Side Scrolling Game

- Developed a 2D side scroller game with HTML Canvas, JavaScript and CSS.
- Implemented features like time counter, score tracking, and collision detection.
- Uses JavaScript for game loops and event handling.

AWS Academy Badges

- Cloud Foundations (Nov 2024), Data Engineering (Oct 2025), Machine Learning for NLP (Nov 2025)

