Alex Lenh

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Education

Bachelor of Science, Computer Science   Sep 2021 - May 2025
San Diego State University, San Diego, CA   GPA: 3.6
Coursework: Data Structures & Algorithms, Java OOP, Software Systems, Database Theory and Implementation, Computer Architecture, Operating Systems, Unix System Administrator

Relevant Experience

Full-Stack Web Applications | *React, NodeJS, RESTful APIs, Postgres, jQuery, Express*   Oct 2025 - Dec 2025
- Built multiple full-stack web applications using ReactJS, creating reusable component architectures with props and integrating RESTful APIs for seamless client to server communication
- Developed backend services with Express, implementing middleware, server-side routing, request validation, and optimized CRUD operations using PostgreSQL and Postman for endpoint testing
- Designed dynamic server rendered pages with EJS and enhanced interactivity using jQuery for responsive, event-driven DOM manipulation

Backend Discord Bot | *NodeJS, APIs, SQLite, Sequelize* | Github   May 2025 - Aug 2025
- Designed a backend focused Discord bot with Node.js for scalability and utilizing Discord.js, a powerful library, to streamline REST and websocket API's with Discord servers
- Engineered solutions by integrating modular APIs that handled automation and external services such as Google's Gemini API to reduce redundant tasks and workload saving on average an hour per day
- Implemented a SQL database layer using SQLite3, a lightweight performant database for its simplicity and Sequelize, an ORM for query modularity, to persist and store user data allowing for secure data and faster data lookups in overall features

UNIX/System Administration | *Bash, Azure, Linux, Unix*   Jan 2025 - May 2025
- Built a full-service virtual infrastructure across five operating systems, including DNS, LDAP, mail, web, file, and print servers using FreeBSD, OpenBSD, Linux (Rocky/Ubuntu), Solaris, AIX, and Azure
- Developed Bash scripts to automate SSH key generation and secure key distribution across virtual machines running Open/FreeBSD and servers cutting manual key management time by 75%
- Deployed and managed a private and public cloud environment with automated backups, P2V conversion, certificate management, and agent-forwarded secure access

Projects

Personal Website | *React, CSS, Vite* | Github   Dec 2025 - Present
- Designed and developed a pixel perfect UI/UX experience using React and CSS, utilizing and creating reusable React components to deliver a comprehensive and professional experience
- Optimized frontend maintainability by engineering a data driven UI, leveraging Javascript ES6 to dynamically map complex data structures into interactive, accessible components

Distraction Blocker Chrome Extension | *Typescript, React, Tailwind* | Github   Aug 2025 - Present
- Developed and designed an interactive UI/UX experience with dynamic React hooks to manage user settings, responsive layouts, and animated transitions utilizing Tailwind, React, and Typescript
- Implemented a lightweight and advance background script to dynamically track websites with user defined settings resulting in increased productivity by minimizing overall reported distractions by 2 to 3 hours per day

Technical Skills

Languages: Javascript, Python, Java, HTML5, CSS3, SQL
Frameworks & Libraries: React, Express, jQuery, Bootstrap, EJS, Tailwind
Databases: PostgreSQL, SQLite, Sequelize ORM
Developer Tools: Bash, Git, Vite, VSCode, Postman, REST API, NodeJS, Chrome DevTools