

Klaus Chamberlain

FULL-STACK SOFTWARE ENGINEER

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SUMMARY

Full-Stack Developer specializing in **React** and **TypeScript** to build modern, high-performing frontends. Expert in architecting scalable web applications using **Next.js** and **Node.js**, with a strong focus on secure **REST API** integration and backend optimization.

SKILLS

React, Typescript, Node.JS, Vue.Js, CSS, REST API's

WORK EXPERIENCE

SAFELITE

Apr 2025 - Present

IT SUPPORT SPECIALIST

- Developed internal diagnostic utilities using **C#** and **PowerShell**, including a "fuzzy-search" application for the knowledge base that reduced Average Handle Time (AHT) by **40%**.
- Managed high-volume incident workflows using **Jira** and **ServiceNow**, consistently maintaining the #1 ranking in team ticketing metrics.
- Executed **REST API testing** to validate endpoint functionality, successfully diagnosing and repairing complex DNS record errors and connectivity issues.
- Streamlined technical support operations by building custom automation tools, bridging the gap between hardware troubleshooting and software engineering.

HERO BUILDS LLC

Sep 2023 - Feb 2025

FULL-STACK SOFTWARE ENGINEER

- Architected and deployed a high-performance e-commerce platform using **React**, **TypeScript**, and **Redux** for state management, resulting in a seamless user experience.
- Engineered a robust backend with **Node.js** and **Express.js**, implementing **GraphQL** schemas and **RESTful APIs** to optimize data retrieval and frontend communication.
- Developed high-performance computing scripts using **C#** to benchmark hardware configurations and automate system optimization tasks.
- Designed responsive, accessible UI layouts with **CSS3** and modern styling libraries, ensuring cross-browser compatibility and mobile responsiveness.

PROJECTS

War of the Elector (live at waroftheelector.space)

Dec 2024 - Present

Creator/Head Developer

- A Full-stack, multi-user, persistent grand strategy game using Next.js, React, and TypeScript for the frontend, with Tailwind CSS for the sleek, responsive UI
- Engineered a comprehensive, secure REST API with dozens of Next.js API Routes to handle all complex game logic, authentication, and data persistence.
- Built an "AI-native" strategic advisor by integrating the Gemini API with a custom backend route, using RAG (Retrieval-Augmented Generation) to read game rules and provide players with disciplined, long-term strategic advice

Navi AI (Release on github.com/TheFirstHero6/Navi)

Nov 2025 - Nov 2025

Creator/Head Developer

- Engineered a full-stack, AI-powered developer launcher using Electron, React, and TypeScript for the frontend and a decoupled Node.js (Express) server for safe, privileged operations.
- Integrated Google's Gemini API with advanced Tool Use (function calling) to accurately parse natural language into structured, executable shell commands.
- Implemented a robust backend that uses `child_process.exec` to run the AI-generated command sequences, capturing and piping stdout/stderr directly back to the React UI for a seamless, interactive user experience.

EDUCATION

The Ohio State University

Bachelor's in Computer Science

GPA: 4.0