Canberk Varli

SOFTWARE ENGINEER

415-769-8292 | canberkvarli@gmail.com | Berkeley, CA | <u>LinkedIn</u> | <u>GitHub</u> | <u>Portfolio</u>

TECHNICAL SKILLS
LANGUAGES: Ruby, TypeScript, Python, HTML, CSS
FRAMEWORKS & TOOLS: Ruby on Rails, Next.js, Flask, React Native, Express.js, Mongoose, Redux, Hardhat

DATABASES: PostgreSQL, MongoDB, ChromaDB
OTHER: AWS, Docker, Firebase, Render, Alchemy (ERC20) Groq, LangChain, OpenAI

WORK EXPERIENCE

Lawrence Berkeley Guest House >> *Front Desk Manager Assistant* > Berkeley, CA   **June 2024 - current**
- Streamlined workflows using Autohotkey scripts, reducing administrative workload by 40%.
- Ensured smooth operations and improved customer satisfaction through efficient scheduling and guest relations.
- Managed Berkeley Lab merchandise sales, including restocking, organizing inventory, and assisting customers with purchases.

Prevail Legal (prevail.ai) >> *Software Engineer* > San Francisco, CA   **September 2021 – May 2024**
- Contributed to the development of an AI-powered legal transcription platform by integrating Amazon Transcribe for real-time search and indexing, which doubled successful search outcomes and boosted revenue.
- Secured authentication and streamlined user workflows by customizing Devise, applying Rails best practices to optimize controllers and models, and efficiently resolving bug fixes and feature requests.
- Revamped the email notification system across multiple scenarios to reduce response times by 15%.
- Engineered a search feature—mirroring CMD+F functionality—that enabled rapid navigation within large datasets; initial throttle optimizations followed by CSS refinements improved search responsiveness by 30%.

Microsoft >> *Software Engineering Intern* > Istanbul, Turkiye   **Summer 2017**
- Developed a Xamarin cross-platform mobile app showcased to senior leadership.
- Authored a <u>blog</u> on emerging technologies like Machine Learning, Big Data, and IoT to engage developers.

PROJECTS

PEACY - AI Agent Mediator for Group Chats >> *Python, LangChain, ChromaDB, PostgreSQL*   **<u>Code</u>**
- Built an AI-powered mediator leveraging OpenAI and Groq language models to generate empathetic, context-aware responses in group conversations.
- Implemented persistent conversation memory with ChromaDB and PostgreSQL, enabling personalized interactions and context retrieval through vector search.
- Developed scheduled background tasks for automated conversation summarization and sentiment analysis using APScheduler and spaCy.

EUNOIA - MyMind clone >> *Nextjs, Prisma*   **<u>Code</u> > <u>Live</u>**
- Developed a dynamic note-taking platform enabling users to create, organize, and tag notes.
- Integrated secure OAuth authentication via NextAuth and enhanced UX with smooth animations from Framer Motion and responsive design using Tailwind CSS.

SONAR - SoundCloud clone >> *Ruby on Rails, Reactjs, Redux*   **<u>Code</u> > <u>Live</u>**
- Developed a platform for artists to store tracks remotely via AWS S3.
- Designed dynamic audio waveforms and persistent playback features for seamless user interaction.
- Implemented a robust search functionality for track discovery by name.

FOREST LIBRARY - Social Network >> *MERN stack*   **<u>Code</u> > <u>Live</u>**
- Led a team to design an engaging landing page to boost user engagement.
- Built a CRUD system for users to upload their books.

EDUCATION
BAHCESEHIR UNIVERSITY >> *Bachelor of Science in Software Engineering* >> Istanbul, Turkiye   **2014-2018**
AIRWIN FLIGHT SCHOOL >> *Private Pilot Training* >> Budapest, Hungary   **Summer 2019**