Berkay Senler

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SUMMARY

Software engineer with a full-stack background, experienced in building modern web applications across frontend, backend, and cloud environments. Worked with React, TypeScript, Python, PHP, SQL, and cloud services, and currently developing strong foundations in machine learning and Azure AI. Values clean architecture, continuous learning, and building reliable, well-structured systems.

PROJECT

Victoria University AI Student Assistant

Victoria University • vu-ai-assistant.vercel.app

- A full-stack web application providing 24/7 AI-powered student support for Victoria University. Built with Next.js 15, React 19, and TypeScript, featuring secure JWT authentication, real-time chat interface integrated with OpenAI GPT-3.5, and PostgreSQL database with Prisma ORM. Implements user session management, multi-chat history, message search functionality, and an intelligent fallback knowledge base system for enhanced reliability.

Kai.gg - League of Legends Analytics Platform

github.com/berkaysenler/lol-player-summary

- Developed full-stack web application for tracking League of Legends player statistics, match history, and ranked performance across all global regions
- Implemented three-tier caching architecture (Redis → PostgreSQL → Riot API) reducing API calls by 70% and improving response times
- Integrated OpenAI API for AI-powered match analysis providing personalized gameplay coaching and performance insights
- Built responsive UI with React/Next.js and Tailwind CSS, ensuring seamless experience across mobile, tablet, and desktop devices
- Designed RESTful API with Express.js and TypeScript, managing user authentication (Supabase Auth) and favorites system
- Technologies: Next.js, TypeScript, Node.js, Express, PostgreSQL, Redis, OpenAI API, Riot Games API, Tailwind CSS

EDUCATION

Bachelor of Information Technology

Minor in Network Management • Victoria University • 2025

Bachelor of Computer Engineering

University of Yalova • 2022

CERTIFICATIONS

Microsoft Azure AI Fundamentals (AI-900)

Microsoft • 2025

- Actively studying for Microsoft Azure AI Fundamentals (AI-900), with hands-on learning in machine learning concepts, Azure AI services, and responsible AI.

SKILLS

Software Development: JavaScript, TypeScript, React, Next.js, Redux, HTML5, CSS3, Tailwind CSS |
Built responsive web applications, implemented state management with Redux, and developed reusable UI components.

Data & AI: Python (Fundamentals), Machine Learning Fundamentals, Data Analysis Basics, Azure AI Fundamentals (in progress) |
Performed data analysis, built simple ML models, and explored AI solutions on Azure.

Databases & Cloud: SQL, PostgreSQL, AWS Amplify |
Designed and queried relational databases, integrated cloud services for web apps.

Tools & Practices: Git, GitHub, REST APIs, Agile Methodologies, Problem Solving |
Collaborated on version control, consumed and built APIs, and contributed in Agile sprints to solve technical challenges.