Parsa Peikani

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Education

University of Victoria *Victoria, BC*
Major in Computer Science Honours *September 2022 - September 2027*
- Dean's List Award
- UVIC 24,000 Excellence Scholarship Award

Skills

Languages Python, JavaScript, TypeScript, SQL, C, JSON, MATLAB, LaTeX, HTML, CSS, Sass
Frameworks/Libraries React, Angular, .NET, ASP.NET, NextJS, AngularJS, Express, Node.js, Redux, Remix
Databases/Others Git, GitHub, GitLab, Azure, Docker, Linux/UNIX, MongoDB, AWS, PostgreSQL, Firebase, Prisma, VS

Work Experience

Schneider Electrics *Victoria, BC*
Software Developer Internship *September 2024 - December 2024*
- Refactored Schneider's Sales portal application into a more desktop-friendly version, automating the process of creating orders and upgrading licenses, which reduced the processing time from **hours or days** to mere **minutes or seconds**.
- Resolved persistent **Cypress testing errors** in the application's testing environment by identifying root causes and implementing robust fixes, enhancing test reliability and improving application security, ultimately ensuring seamless integration and deployment processes.
- Refactored the **Power Advisor page** for license creation in the new sales portal app, improving design and functionality, which enhanced user experience and reduced processing times.

Good Things Consignment *Victoria, BC*
Full Stack Web Developer Internship *January 2024 - August 2024*
- Implemented an automated contract scanning system using **Node.js**, **GridFS**, and **Crontab**, enhancing document processing efficiency by converting and storing images in **MongoDB**, reducing manual input and error rates by more than **50%**.
- Developed notification and reporting features, integrating **NodeMailer API** for both automated and manual email updates and a real-time announcement system, improving stakeholder communication and operational transparency.
- Implemented data migrations for key **MongoDB collections** as part of the software upgrade from version **2.0** to **3.0**, successfully transitioning the system from a **single-store** to a **multi-store** setup and enhancing scalability.
- Developed a comprehensive video storage solution for security footage by integrating **MongoDB** with the existing **Lorex camera system**. This system archives all captured footage indefinitely, enabling users to access video from any specified time-frame, significantly enhancing the store's security and data retrieval capabilities.
- Implemented an innovative transaction verification feature that automatically saves **10-20** second clips linked to specific transactions, providing indisputable proof of payment and reducing disputes, thus ensuring **100%** transactional security and accountability.
- Developed a full-stack eCommerce platform on **Shopify** using **Next.js** and **React** for the frontend, integrated with **MongoDB** and **GridFS** for the backend, enabling online ordering and expanding customer reach.
- Integrated **Stripe** with the e-commerce platform for seamless payment processing, and implemented auto-place completion using Google's **Place API** for smoother and more accurate address input, enhancing the integration with **Canada Post API** for efficient packaging and delivery.

Technical Projects

BudgetPro-Tracker *demo ⬏ | source code ⬏*
Technologies used: Next.js 14, React, PLAID API, Clerk, ShadcnUI, MongoDB *March 2024*
- Developed a budget tracking app with Next.js 14 and React, integrating **PLAID APIs** for real-time financial data synchronization from **CIBC** and **TD** bank accounts. Employed **ShadCN UI** for a responsive, modern user interface.
- Implemented dynamic financial visualization using **NIVO** charts on the dashboard to display and analyze spending patterns and budget adherence, enhancing user decision-making.
- Created a transaction management page that allows sorting, editing, and detailed viewing of transactions via **PLAID API webhooks**, improving user engagement and transaction tracking accuracy.

AI-Verse *demo ⬏ | source code ⬏*
Technologies used: Next.js 13, React, Clerk, Prisma, Stripe API, Crisp, ChatGPT, Replicate AI *August 2023*
- Pioneered and launched a dynamic full-stack Software-as-a-Service (SaaS) platform, integrating five advanced AI tools spanning image, video, music, and code generation, powered by **ChatGPT** and **Replicate AI**.
- leveraged user experience using **Next.js 13**, integrating **Clerk** for authentication and **Prisma** for streamlined data management.
- Implemented a dual-tiered model with a **free** access tier and a **premium** subscription option, seamlessly facilitated through Stripe, showcasing dedication to user-centric design and operational excellence.