KEESHIGAN PIRABAHARAN

FULL STACK DEVELOPER / MECHATRONICS SYSTEM ENGINEER

CONTACT

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SKILLS

Full Stack

HTML / CSS / Tailwind

JavaScript / TypeScript

ReactJS / NextJS

Bun / NodeJS / ExpressJS

Prisma

Stripe

OAuth2

NoSQL (MongoDB)

SQL (MySQL / PostgreSQL)

Mobile

Dart / Flutter

Android / Kotlin

Embedded Systems

C / C++

Linux

Arduino / Raspberry Pi

Data Science / Other

Python

Git

AWS

Docker

EDUCATION

B.E.Sc - Mechatronics Systems Engineering

University of Western Ontario, 2017-2022

PROFILE

I am a performance-driven software developer with a passion for creating innovative solutions. I excel in swiftly mastering new technologies and am proficient at developing reliable, efficient, and scalable applications that significantly enhance system performance. My strong problem-solving aptitude, attention to detail, and excellent communication skills facilitate effective collaboration, contributing to the success of projects.

EXPERIENCE

Software Developer   **June 2022 - Present**

- Developed automated C and Bash test software for qualification testing on a hybrid vehicle management/network switch device
- Created and maintained software documentation, including design specifications, code documentation, and user manuals
- Participated in code reviews and worked with other developers to ensure software quality and adherence to coding standards
- Collaborated with hardware engineers to enhance system performance and reliability

Minor Projects Team Lead   **July 2020 – July 2021**

- Assisted senior project managers with capital project (>$200k), including coordination with internal stakeholder and EPC contractors to ensure project success
- Exposure to industrial operations, complex system processes, and practical failure modes
- Worked with a multidisciplinary team of engineers and technicians to support modifications

PROJECTS

E-Commerce Store 🌐 🌐 ◯ + Admin Dashboard 🌐 ◯

- Developed an interconnected store and CMS web application using Next.js 13.4 and Shadcn/ui, with the option to create and manage multiple stores
- Integrated Stripe for secure payments and set up webhooks for data sync
- Utilized AWS S3 and RDS to store data for high scalability in production

Netflix Clone 🌐 ◯

- Developed a functional clone using Next.js 13.4 with server-side rendering
- Designed a UI with smooth animations using Tailwind and Framer Motion
- Utilized MongoDB for data storage and AWS S3 for video and image storage

Spotify Clone 🌐 ◯

- Built a fully functional and responsive music streaming platform using Next.js 13.4, with the ability to upload and listen to songs
- Utilized Supabase for streamlined authentication and music storage
- Implemented subscriptions using Stripe with webhooks to update Supabase

Smart Home Mobile App ◉ ◯

- Developed an Android application using Kotlin that facilitates remote control of blinds and windows with three modes: manual, automatic, and smart.
- Leveraged geofence technology for seamless automation, allowing blinds and windows to close automatically when the user leaves home.
- Integrated Raspberry Pi with Firebase to facilitate user-controlled window and blind operations, incorporating real-time sensor data for prompt adjustments