

Piran Aminullah

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Education

Western University

Bachelor's of Engineering Science, Software Engineering

- Western Engineering Co-op/Internship Program

London, ON

Sept 2020 - Apr 2024

Work Experience

hyperPad (Client: Financial Services Platform)

London, ON

Software Engineer

Jan 2025 - Current

Full-stack engineer on enterprise financial platform serving 100,000+ investment professionals

- Developed comprehensive multi-language form system supporting 7 languages (English, French, Spanish, Portuguese, German, Italian, Japanese), enabling international platform expansion and eliminating manual translation workflows for platform administrators
- Built investment account visibility features and modernized legacy form components for regulated financial platform, directly impacting daily workflows of thousands of financial advisors
- Architected schema management system with custom Domain-Specific Language (DSL) for automated translations, reducing configuration overhead by 60% and accelerating feature deployment timelines
- Designed and implemented comprehensive testing infrastructure using Cucumber, RSpec, and Jest, ensuring 95%+ test coverage and robust functionality in compliance-critical financial environment
- Collaborated with cross-functional teams to deliver features in an Agile environment, participating in code reviews and maintaining high code quality standards
- Tech Stack: Ruby on Rails 7, React, TypeScript, PostgreSQL, Redis, AWS, Docker, Material-UI, Redux, GitLab, Okta

hyperPad

London, ON

Software Developer Internship

Sept 2024 - Dec 2024

- Led the Ruby on Rails 6 to 7 migration for a production backend used by a major client, achieving zero downtime and improved performance
- Developed features for a React Native sports recommendation app, implementing AI-driven content suggestions and user engagement components
- Contributed to full-stack development across multiple client projects, building scalable backend logic and modern mobile features
- Tech Stack: Ruby on Rails 6/7, React Native, Node.js, TypeScript, AWS, Docker

HiCoder

Canada (Remote)

Software Engineer Internship

Jun 2024 - Sept 2024

- Led design and development of scalable Node.js backend services and responsive React frontends for client applications
- Built and implemented RESTful APIs facilitating efficient communication between server and client applications
- Diagnosed and resolved performance bottlenecks in Node.js applications, improving application response times by 40% and enhancing overall user experience
- Tech Stack: Node.js, Express, React, JavaScript, HTML, CSS, Material-UI

Engineering Projects

Intelligent Traffic Management System - <https://github.com/piran777/Capstone>

London, ON

- Built ML traffic prediction system using random forest classifier to accurately forecast intersection congestion patterns and optimize route planning
- Developed Python heat map algorithm to identify high-traffic zones in London, Ontario, integrated with Google Maps API for real-time visualization
- Tech: Python, Pandas, Streamlit, Git

ContentCraft - Full-Stack Publishing Platform - <https://github.com/piran777/Full-Stack-Blogging-Platform>

London, ON

- Engineered comprehensive content management system with user authentication, role-based access control, and dynamic post creation/editing capabilities
- Implemented secure user registration, JWT authentication, and database-driven commenting system with content tagging functionality
- Built responsive frontend interface and RESTful API backend, enabling seamless content publishing and user interaction
- Tech: React, Node.js/Express, MongoDB, REST APIs

Technology:

Languages: JavaScript, TypeScript, Python, Ruby, Java, C/C++, C#

Frontend: React.js, React Native, HTML/CSS, Material-UI, SCSS

Backend: Node.js/Express, Ruby on Rails 6/7, Spring Boot, RESTful APIs

Databases: MySQL, MongoDB, Redis

DevOps & Cloud: Docker, Kubernetes, AWS, GCP, GitLab

Tools & Testing: Git, Cucumber, Selenium, RSpec, Jest, Jira/Confluence, Wireshark, Mininet, Honeybadger, Okta

Libraries: Pandas, Streamlit, i18n, Redux