

PIRAN AMINULLAH

London, ON | piranaminullah@gmail.com | LinkedIn | Github | Personal Website

EXPERIENCE

Junior Software Engineer

Jan 2025 – Present

hyperPad

London, ON

- Architected and developed core features for a major financial platform serving 100,000+ professionals through contracting work, including complex investment account visibility algorithms and form component modernization
- Led full-stack development of a comprehensive schema management and translation system, enabling dynamic form generation and multi-language support across 7 languages using i18n integration
- Designed and implemented Domain-Specific Language (DSL) processors for automated schema translations, significantly improving administrator efficiency and reducing manual configuration overhead
- Developed comprehensive test suites using Cucumber, RSpec, and Jest, ensuring robust UI functionality and backend reliability in a regulated financial environment

Freelance Software Engineer

Jan 2025 – Present

Zenex Digital Solutions

London, ON

- Developed custom websites and web applications for small to medium-sized businesses, focusing on responsive design and user experience optimization to drive client engagement and conversions.
- Built and maintained e-commerce platforms using modern web technologies, implementing secure payment processing and inventory management systems for local Ontario businesses.
- Designed and implemented SEO-optimized websites with clean code architecture, improving client search engine rankings and online visibility through technical SEO best practices.
- Collaborated directly with clients to gather requirements, provide technical consultation, and deliver cost-effective digital solutions tailored to their specific business needs and budgets.

Software Developer Internship

Sept 2024 – Jan 2025

hyperPad

London, ON

- Spearheaded backend infrastructure upgrades, migrating Ruby on Rails systems from version 6 to 7 while maintaining production stability for high-traffic financial applications.
- Enhanced and maintained backend systems using Ruby on Rails and Node.js, focusing on upgrading legacy codebases to improve scalability and performance.
- Delivered dynamic and responsive features for React.js and React Native applications, ensuring seamless user experiences across platforms.
- Gained foundational experience in full-stack development and client management, preparing for advanced financial platform contracting work.

Software Engineer Internship

Jun 2024 – Sept 2024

HiCoder

Canada (Remote)

- Led design and development of scalable server-side applications using Node.js, enhancing performance and reliability, while developing responsive client-side features using React.js.
- Assisted in building and implementing RESTful APIs, facilitating efficient communication between server and client applications.
- Diagnosed and resolved critical performance issues, leading to significant improvements in application responsiveness and user experience.

TECHNICAL SKILLS

Languages: JavaScript, TypeScript, Java, Python, Ruby

Frontend: ReactJS, HTML/CSS, SCSS, MaterialUI

Backend: NodeJS/Express, Ruby on Rails 7, Springboot

Databases: MySQL, MongoDB, Redis

Cloud & DevOps: AWS, Docker, Kubernetes, Google Cloud Platform (GCP)

Testing & Tools: Cucumber/Selenium Testing, RSpec, Jest, Playwright, Git, Pandas, Jira/Confluence, Trello

SELECTED PROJECTS

Intelligent Traffic Management System | *Python, Pandas, Streamlit, Git, Jira/Confluence*

- 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.

ContentCraft - Full-Stack Publishing Platform | *JavaScript, React.js, Node.js/Express*

- Engineered a comprehensive content management system with user authentication, role-based access control, dynamic post creation/editing capabilities, secure 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.

EDUCATION

Western University

London, ON

Bachelor's of Engineering Science, Software Engineering

Sept 2020 – Apr 2024

- Western Engineering Co-op/Internship Program
- Course Work: Data Structures and Algorithms, Databases, Networking, Software Engineering Design, Software Project and Process Management, Software Design, Computer Information Security, Data Science/Machine Learning, Digital Logic Systems, Microprocessors/Microcomputers, Operating Systems, AI 1, AI 2, Cloud Computing