

Pranav Mahindru

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Full Stack Software Developer with 1+ years professional experience and extensive **co-op background** building responsive web applications using **React, Next.js, Node.js, MongoDB, and AWS**. Proven track record of **performance optimization, API design, and scalable development** with measurable results.

Technical Skills

Programming Languages: JavaScript, TypeScript, PHP, Java, Python, Ruby on Rails
Frontend Development: React, Svelte, Vue.js, Next.js, HTML5, CSS3, Responsive Design
Backend Development: Node.js, Express.js, RESTful APIs, API Development
Databases: MongoDB, SQL, PostgreSQL
Cloud & DevOps: Docker, AWS (Amazon Web Services), CI/CD, Git, GitHub, Version Control
Development Tools: VS Code, JIRA, Figma, Agile, Scrum, Software Development Life Cycle

Professional Experience

Software Developer

Apr 2024 - Feb 2025

KOII Network - Halifax, NS

- Optimized image upload performance by 30% through integration of Spheron and Koi Node systems, enhancing user satisfaction.
- Improved API response times by 25% through backend optimization, resulting in enhanced frontend performance and superior user experience.
- Refactored backend and frontend codebases to implement secure digital wallet features, strengthening data protection and security protocols.
- Developed VS Code extension and enhanced Finnie Wallet Chrome extension, expanding developer tools and user functionality.
- Led infrastructure migration reducing system downtime by 20% and improving platform reliability.
- Implemented Docker and AWS deployment strategies ensuring application scalability.
- Authored developer documentation improving onboarding efficiency for new team members.

Associate Software Engineer

Jan 2023 - Aug 2023

Introhive - Halifax, NS

- Designed and maintained RESTful APIs for enterprise-grade data health monitoring systems ensuring production-ready security standards.
- Collaborated with cross-functional development teams to implement user interface improvements and enhance overall user experience through effective communication.
- Led regression testing and code reviews maintaining high software quality standards and preventing deployment issues.
- Architected automated language translation system demonstrating complex software solution development.
- Participated in Agile methodologies including sprint planning, standups, and JIRA project management.

Software Developer

May 2022 - Aug 2022

COVE Ocean Internships - Halifax, NS

- Designed and developed iOS mobile application for real-time telemetry data visualization and device control improving operational efficiency by 25%.
- Enhanced iOS and Android application stability and user interface design reducing user onboarding time by 30% through bug resolution and intuitive feature implementation.

Software Developer

Sep 2021 - Dec 2021

Ocean Frontier Institute - Halifax, NS

- Developed responsive web application for real-time sensor data visualization.
- Successfully migrated application architecture from Vue.js to Svelte framework reducing page load times by 30% and resolving performance bottlenecks.
- Implemented JavaScript functions for API data extraction and dynamic display improving data accessibility and user interaction capabilities.
- Enhanced user experience through implementation of advanced filtering systems and pagination reducing navigation time by 30%.

Education

Bachelor of Computer Science - Co-op Program

Sep 2018 - Sep 2023

Mathematics Minor

Academic Honors: Dean's List (3.70+ GPA), Sexton Scholar (3.85+ GPA)

Certificates: Web Development, Mobile Development, Communication Technologies, Cybersecurity

Dalhousie University - Halifax, NS