Robert MacRae

Charlottetown, PE | +1 902 418 1883 | therobertmacrae@gmail.com | linkedin.com/in/robert-macrae-a83192390

Professional Summary

Innovative and results-driven Senior Software Developer with over 10 years of experience designing, developing, and deploying scalable web and mobile applications across fintech, e-commerce, and SaaS environments. Adept at full-stack development, cloud architecture, and agile methodologies with a passion for building clean, efficient, and maintainable code. Recognized for leading cross-functional teams, improving system performance, and driving continuous improvement through automation and modern development practices.

Core Skills

Full Stack Development | JavaScript | TypeScript | React | Node.js | Python | RESTful APIs | GraphQL | SQL | MongoDB | AWS | Docker | Kubernetes | Microservices | CI/CD | Agile | Git | Unit Testing | Problem Solving | Team Leadership

Professional Experience

Senior Software Developer

Sporty Group · United Kingdom (Remote)
May 2022 – Dec 2024

- Led development of scalable microservices for high-traffic sports betting platform serving over 1M daily users.
- Optimized system performance, reducing API latency by 35% and improving uptime to 99.99%.
- Mentored a distributed team of 6 engineers, improving sprint velocity by 20% through better code reviews and agile practices.
- Designed and deployed CI/CD pipelines using Docker and Jenkins, cutting release time by 40%.
- Collaborated with product managers and designers to deliver new features that increased user retention by 18%.

Senior Software Developer

Hemsworth · United Kingdom (Remote)
Feb 2018 – Mar 2021

- Architected and implemented enterprise-grade SaaS modules for client management and analytics platforms.
- Enhanced security protocols by integrating OAuth2 and JWT authentication, ensuring GDPR compliance.
- Rewrote legacy backend in Node.js and PostgreSQL, improving data processing speed by 45%.

- Introduced automated testing and continuous integration workflows that reduced production bugs by 30%.
- Partnered with stakeholders to define and execute roadmap priorities aligned with business goals.

Full Stack Developer

MapleTech Solutions · Ontario, Canada (Remote)
Jun 2013 – Aug 2017

- Developed and maintained full-stack web applications using React, Express, and Python-based microservices.
- Improved data pipeline efficiency by 25% through optimization and API refactoring.
- Deployed and managed applications in AWS, leveraging EC2, S3, and CloudFront for scalable hosting.
- Collaborated with UI/UX designers to enhance interface usability and reduce customer support tickets by 15%.
- Played a key role in migrating on-prem systems to the cloud with zero downtime.

Selected Projects

Real-Time Analytics Dashboard (Sporty Group)
Built a live sports analytics dashboard with React and WebSocket APIs for real-time odds tracking, handling 500K concurrent connections efficiently.

Cloud Migration Automation (Hemsworth)
Automated cloud deployment workflows using AWS CloudFormation and Docker, reducing deployment time from 2 hours to 15 minutes.

E-Commerce Revamp (MapleTech Solutions)
Redesigned an e-commerce site using React and Node.js, improving load time by 40% and boosting sales conversions by 22%.

Education

Bachelor of Science (BSc), Computer Science
University of Prince Edward Island · Sep 2008 – May 2012