Nicholas Hemingway

Full Stack Developer | React, Django, Expo | Scalable BI Solutions

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Professional Summary

Full Stack Developer with 4+ years of experience building high-performance web applications, mobile apps, and data-driven solutions. Proficient in React, TypeScript, Django, Python, and AWS, with expertise in containerizing apps with Docker and optimizing MySQL databases. Proven track record of architecting scalable architectures, optimizing API performance by 90%, and translating complex datasets into actionable Business Intelligence solutions.

Professional Experience

Web Application Developer, *Dvele* 07/2022 – Present

- Architected full-stack features using React, TypeScript, Tailwind CSS, and Python/Django, driving reliable web application architecture across the platform lifecycle.
- Engineered high-performance REST APIs, reducing call execution times by 90% (from 20s to 2s) by implementing robust caching structures in Django.
- Optimized mobile experiences on a production application, achieving a 98/100 mobile performance score on the core studio builder sales app.
- Containerized services and streamlined deployments using Docker and AWS, reducing development environment friction and improving system availability.
- Optimized database interaction layer by tuning MySQL queries and state management, accelerating real-time data rendering.
- Elevated code quality and release reliability by writing comprehensive unit and integration test suites.

Web Developer, *Twin Creek Media* 06/2021 – 07/2022

- Built and delivered multiple custom, production-ready web applications using JavaScript (ES6+), HTML5, and CSS/Tailwind, ensuring high design fidelity and performance.
- Engineered mobile-first, responsive layouts and executed cross-browser testing protocols to guarantee consistent performance across mobile, tablet, and desktop platforms.
- Implemented core web performance and technical SEO best practices, optimizing asset loading, semantic HTML, and core web vitals to improve client search engine rankings.
- Translated complex designer wireframes into accessible, high-usability user interfaces, establishing seamless workflows between design and development phases.

Automation Intern, *Oakridge Shared Services* 04/2020 – 05/2021

- Engineered automated Python data pipelines to ingest, clean, and process large internal datasets alongside web-scraped data and third-party APIs.
- Integrated processed data streams into Microsoft Power BI, building interactive dashboards and visualizations that transformed raw metrics into actionable business intelligence.
- Optimized test execution times and scripting frameworks, refactoring automation workflows to eliminate processing bottlenecks and accelerate test suite runtimes.
- Analyzed complex functional user stories and business requirements to construct targeted automation scripts for backend operations.

Education

Bachelor's Degree in Media Studies & Computer Science, *University of British Columbia (UBC)*

Technical Skills

Languages & Frameworks
JavaScript (ES6+), TypeScript, Python, React, Redux, Django, Expo (React Native), Tailwind CSS, HTML5/CSS3

Databases & BI
MySQL, Power BI, Database Query Optimization, Web Scraping, BI Architecture

Cloud & Infrastructure
AWS (EC2, S3), Docker, CI/CD, RESTful APIs, Git

Methodologies
Agile/Scrum, Automated Testing (Unit/Integration), UI/UX Design Implementation