

James McArthur

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Auckland, New Zealand

www.smoljames.com

Innovative software developer with a passion for creating impactful solutions. Skilled in full-stack development, specializing in JavaScript, Python, and web technologies. Known for leadership abilities and successful project delivery.

Work Experience

Zetane Systems	Nov 2021 - Dec 2023
<i>Software Developer - Full Stack</i>	<i>Vancouver, CA</i>
<ul style="list-style-type: none">Developed a Next.js & TailwindCSS SaaS platform for ML code execution, improving QA workflows and development efficiency.Managed a Django + PostgreSQL backend to ensure seamless user authentication and data management for optimized performance and security.Implemented a Redis & Kubernetes job management system on AWS EKS & EC2, enhancing QA processes in Dockerized environments.Established CI/CD pipelines via GitLab to enable streamlined deployment and robust version control with AWS S3 integration.Created a Python API & CLI tool on PyPi to provide users with easy access to SaaS functionalities and features.Led junior staff and recruitment activities, driving team growth and project success.	
Delve Underground	Oct 2018 - Apr 2021
<i>Structural Engineer</i>	<i>Auckland, NZ</i>
<ul style="list-style-type: none">Served as a Design Engineer, Client Representative, and QA Engineer on Watercare's \$1.2bn Central Interceptor project, ensuring project success and adherence to quality standards.Managed the structural design of a \$1M+ breakwater marina protection system as Design Engineer, prioritizing resilience and functionality.	

Projects

Hyr.sh	Dec 2023 - Present
<i>www.hyr.sh</i>	
<ul style="list-style-type: none">Developed a Full Stack Next.js & TailwindCSS app for resume building with templates, improving user satisfaction and efficiency.Integrated Firebase for user authentication and database management, enhancing functionality, security, and performance.Achieved over 250 onboarded users in the first month, with a high conversion rate to paying subscribers, demonstrating strong platform appeal and value.Utilized Microsoft Clarity and Google Analytics for comprehensive user activity monitoring, delivering insights for user experience and platform performance optimization.	

Education

The University of Auckland	Mar 2015 - May 2019
<i>BE(hons) in Civil and Environmental Engineering</i>	<i>Auckland, NZ</i>
<ul style="list-style-type: none">Recipient of the Concrete New Zealand - Precast Award.Emphasis on complex mathematics, structural, and geotechnical design.	

Skills

JavaScript	ReactJS, NextJS, React Native, SvelteKit, Node.js
Python	Data analysis, Django, Flask, visualization
Web	Sass, TailwindCSS, Firebase, NoSQL, SQL, GIT, Docker, AWS, GCP
Design	Figma, Storyboard, Canva, Pixlr