MASON BARRY (PORTER)

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SUMMARY

Full Stack Software Engineer specializing in building scalable production platforms and multi-tenant architectures. Lead developer of a mission-critical Construction Management System supporting $100M+ in annual project volume. Proven track record of designing complex systems from scratch, including authentication, billing, and automated workflows using TypeScript, Next.js, and Cloud infrastructure.

SKILLS

Languages	JavaScript (ES6+), TypeScript, SQL, HTML/CSS
Frameworks	Next.js, React, Node.js, Express, React Native
Cloud / DevOps	AWS (S3, Lambda, EC2), Vercel, Docker, CI/CD Pipelines
Auth / Billing	Auth0, Stripe Connect, SendGrid
Concepts	System Architecture, RBAC, Multi-tenant DB Design, REST APIs

EXPERIENCE

Lead Software Developer — 2022 - Present
Island West Coast Developments Ltd. — *Nanaimo, BC*

- Architected the full stack Construction Management System using **Next.js, TypeScript, and Node.js**, designing complex data models and audit-friendly approval workflows used by 125+ employees managing $100M+ in projects.
- Reduced operational processing time from hours to minutes by replacing manual spreadsheet workflows with automated, event-driven systems.
- Established engineering best practices including **version control standards and automated testing** to ensure stability in a production environment.
- Developed internal tooling for financial calculations, executive dashboards, and automated email workflows by integrating with third-party accounting APIs.

Software Developer — 2022
Flavrite — *Vancouver, BC*

- Migrated the mobile application from React Native CLI to Expo, reducing build failure rates by 40%, and re-engineered camera modules using native APIs to improve capture reliability.

PROJECTS

ASTRYX - Lead Engineer (SaaS Project) — 2024 - Present
astryx.ca

- Designed a production IT service management platform; engineered a **secure multi-tenant architecture** (MySQL/RBAC) with Auth0 for identity and Stripe for subscription billing.

favotools - Creator & Maintainer — 2024 - Present
favotools.com

- Developed a suite of AI and productivity tools using Next.js/Serverless APIs; implemented usage rate limiting, admin analytics, and scalable storage solutions for handling user-generated media.

EDUCATION

British Columbia Institute of Technology — 2021 - 2023
Software Systems Development - With Distinction