

NIKOLA ZJALIC

Sr. Full-Stack Software Developer

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SKILLS

- TypeScript, React, Next.js, C#/.NET, Angular/AngularJS, Node.js, Git, PostgreSQL, Oracle DBMS / PL-SQL
- AWS (APIGW, Cognito, ECS, CloudWatch, SQS, and more), Docker, Terraform, Salesforce, IBM APIC

WORK EXPERIENCE

Bank of Montreal: *Senior Full-Stack Developer* 08/2025 – Current

- Primary developer on a greenfield workflow tracking system integration with LTS, owning full-stack development and cross-team coordination as the sole contributor for 4+ months, collaborating with senior stakeholders on architectural decisions.
- Expanded LTS to support new deal types and workflows by navigating a complex legacy codebase with fragmented documentation, coordinating with offshore teams to deliver integrations across multiple third-party systems under tight deadlines.
- Provided on-call production support, diagnosing and resolving time-sensitive issues across CloudWatch logs and SQL Developer in a high-stakes banking environment while consistently shipping features on schedule.

Rocket Mortgage Canada: *Full-Stack Developer* 07/2022 – 04/2025

- Built a unified internal SQS debugging tool that eliminated context-switching across AWS environments and dead letter queues — enabling developers to troubleshoot and re-drive messages from a single dashboard — cutting on-call diagnosis time by 50%.
- Developed and deployed micro-services for third-party integrations and loan origination workflows, extending the event-driven orchestrator to support TPO flow while maintaining data reliability across queue-based architecture using Terraform and internal deployment pipelines.

White Whale Analytics: *Full-Stack Developer* 10/2019 – 03/2021

- Built custom client-facing dashboards in React to visualize AI-driven prediction model outputs, enabling clients to interpret and act on analytics data across a SaaS platform serving multiple enterprise clients.
- Maintained 95%+ code reliability by writing comprehensive unit and integration tests using Mocha and Jest across multiple Node.js microservices.

Critical Mass: *Frontend Developer* 01/2019 – 09/2019

- Developed interactive UI components for Blizzard Entertainment and Mazda product launches, including dynamic 3D product previews integrated within a Magento and CMS-driven e-commerce environment.

Cor AI: *Full-Stack Developer* 09/2017 – 12/2018

- Built a cloud-based cardiac rehabilitation app using HTML, CSS, and Node.js featuring a dynamic patient dashboard displaying biometrics and personalized health recommendations, integrated with IBM Watson to tailor content based on patient data and medical history.

PERSONAL PROJECTS

NextPhaseAudio: [preview](#)

Independently architected and shipped a five-product commercial audio ecosystem including an Astro marketing site, Next.js SaaS application, Tauri desktop installer, Node.js licensing server, and multiple C++/JUICE audio effect plugins — owning every layer from native audio development to web infrastructure and end-to-end product delivery.

ShadowGrove [preview](#)

Developed a full-featured cross-platform RPG built in TypeScript and PixiJS, encompassing a custom game engine with modular entity behavior systems, combat, quests, cutscenes, and visual character customization — alongside a built-in map editor, integrated wiki, and account authentication system for cross-device save data.

EDUCATION

University of Windsor | Windsor, ON

B.S Honors Computer Science