Jermaine Blake, BSc

Full Stack Software Developer

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Professional Summary

Full Stack Software Developer (React, Node.js, AWS) with 5+ years of experience designing and delivering scalable, data-driven, impactful digital solutions. Proven success leading cross-functional Agile teams, building AI-powered systems, and optimizing backend performance on cloud infrastructure. Recognized for innovation, mentorship, and rapid learning in dynamic environments.

Professional Experience

Senior Full Stack Software Developer | Tech Lead   *Mar 2021 - Nov 2025*

Black Professionals In Tech Network (BPTN)

BPTN is bridging the network gap between Black talent and career opportunities across North America.

- Joined as first developer, promoted from Junior → Intermediate → Senior → Tech Lead within 2 years
- Led the development and deployment of "Obsidi," a multi-sided enterprise networking platform, designing data flow, caching, and API contracts to support over 85,000 active members.
- Orchestrated the delivery of key roadmap initiatives, exceeding annual engagement targets (250K+) with 95%+ story completion and 2x the expected feature output.
- Collaborated cross-functionally in an Agile environment with 10+ global Product, Data, and DevOps teams to align business goals with technical strategy, influencing quarterly outcomes.
- Mentored a team of 6 developers and founded a Developer Guild to strengthen code quality and elevate team performance.
- Engineered and refined an AI-driven job matching system leveraging RAG pipelines and vector embeddings, boosting retrieval performance by 1000×.
- Partnered with DevOps and Data teams to refine system architecture and monitoring strategy using Datadog and AWS, sustaining 99%+ uptime.
- Defined and documented architecture standards to ensure maintainability and observability across services.
- Implemented containerized builds with Docker, improving environment parity and reducing deployment failures.
- **Awarded Employee of the Year** for technical leadership, impact, and Going Above and Beyond!

    Tech Stack: Typescript, Node, Koa, PostgreSQL, React, Docker, Redis, AWS

Software Developer (Contract, Part-Time)   *Jan 2024 - June 2024*

Northside Hip Hop

Northside Hip Hop Archive is a digital collection of Canadian hip-hop history and culture.

- Deciphered the non-profit's vision into a technical roadmap, effectively communicating asynchronously with non-technical stakeholders to define project scope and deliver an impactful MVP.
- Quickly adapted to an existing Java/Spring Boot and Hyperledger stack, contributing to backend stabilization and integration without prior exposure.
- Refactored legacy backend systems and implemented new API integrations to align with new business logic.
- Authored comprehensive API documentation to streamline integration, onboarding, and cross-team collaboration.
- Led stabilization of core services by resolving performance and API integration issues.
- Delivered MVP on schedule within contract period.

    Tech Stack: Java, Spring Boot, Node, AWS, MongoDB, Hyperledger Fabric

Professional Training

Software Engineering Immersive   *Sept 2020 - Dec 2020*

General Assembly

450+ hour full-time immersive bootcamp focused on full-stack software engineering and agile practices.

- Developed and deployed multiple full-stack web applications using **Node.js, Express, MongoDB, React, PostgreSQL, and Django**.
- Collaborated in an agile team environment to build a real-time, multiplayer trivia application, managing Gitflow workflow and conducting peer code reviews on dozens of pull requests to ensure code quality.
- Completed capstone project integrating REST APIs, responsive UI, and secure authentication workflows.

Technical Skills

Languages: JavaScript, TypeScript

Frontend: React, CSS & Sass

Backend: Node.js, Express & Koa, RESTful APIs, JWT/OAuth, Webhooks

Databases: SQL, NoSQL, PostgreSQL, MongoDB (Mongoose), Redis

AI / Machine Learning: Applied NLP (Semantic Search, LLM Integration, Embeddings), RAG Pipelines

Cloud / DevOps: AWS, Git/GitHub, Docker, CI/CD

Certifications

- AWS Certified Cloud Practitioner

Education - **Bachelor of Science, Biological Science,** University of Guelph