Muhammed Said Altan

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Education

Algonquin College   **Sep 2023 – Apr 2025**
Web Development and Internet Applications — Dean's Honour List, GPA: 3.77   *Ottawa, ON*

Experience

Solace   **Sep 2024 – Dec 2024**
Full-Stack Web Developer   *Ottawa, ON*
- Resolved **Node.js** environment mismatch, reducing CI/CD pipeline failures by **80%** and enhancing build reliability.
- Created reusable WordPress component, improving navigation performance by **30%**.
- Built and deployed a responsive holiday microsite using **PHP, WordPress, and Bootstrap**, resulting in a **50%** increase in user engagement and demonstrating front-end delivery under tight timelines.
- Participated in Agile development cycles and collaborated cross-functionally with Marketing teams to deliver production-grade features aligned with event-driven architecture goals.

Bodyblissliz   **Jan 2025 – Apr 2025**
Team Lead & Full Stack Web Developer   *Ottawa, ON*
- Collaborated with non-technical stakeholders to define product goals and translate them into agile development plans, fostering alignment across teams.
- Led sprint planning and iterative delivery in a fast-paced environment, empowering team members through mentorship and clear communication.

PARTYcoin   **Oct 2021 – Sep 2022**
Cofounder & Full Stack Web Developer   *Ottawa, CA*
- Co-founded a blockchain-based altcoin project with a 3-person team, leading website development and collaborating on platform vision, branding, and feature planning.
- Participated in weekly strategy meetings to align technical efforts with community goals, contributing to network design, scalability discussions, and product roadmap.

Projects

PLAB 2 Practice Platform – Spring Boot, React, PostgreSQL, Docker   Live − GitHub
- Developed a real-time, full-stack collaboration platform for medical professionals using **React (TypeScript)** and **Spring Boot**, implementing **WebSocket-powered** live sessions with synchronized phase transitions and participant tracking.
- Built secure **RESTful APIs** with **Java Spring Boot**, leveraging **JWT-based authentication**, role-based access control, and method-level security, ensuring enterprise-grade access management.
- Integrated real-time, event-driven communication through **STOMP** over **WebSockets**, enabling multi-user orchestration and low-latency synchronization across distributed clients in a collaborative medical training environment.
- Deployed a containerized, production-ready system using **Docker**, with **PostgreSQL** as the persistent storage solution, supporting microservice-based architecture through environment-based configuration.
- Implemented robust testing strategies using **JUnit 5** and **Jest**, and managed state across the application with **Redux Toolkit**, ensuring maintainability and performance across frontend and backend modules.

Interview Coach AI – React, TypeScript, Node.js, LLM, MongoDB   Live − GitHub
- Built an AI-powered interview preparation platform using **React**, **Node.js**, and **MongoDB**, integrating **Google Gemini LLM** to generate role-specific technical and behavioral questions with smart explanations, showcasing real-world application of **Agentic AI** patterns.
- Designed secure, scalable **REST APIs** with **JWT authentication** and modular prompt handling, enabling real-time, personalized user sessions powered by **AI-driven** content generation.
- Onboarded **50 users** in the first week, validating the platform's real-time AI orchestration and showcasing early adoption of agentic interaction flows.

Technical Skills

Languages: Java, TypeScript, JavaScript, Python, PHP, SQL
Frameworks: Spring Boot, Redux, JUnit 5, Jest, React, WebSockets, Node.js, Express
Developer Tools: Git, Docker, PostgreSQL, MongoDB, GitHub Actions, GCP, Linux, Claude Code