Muhammed Said Altan

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Education

Algonquin College   **September 2023 - April 2025**
Web Development and Internet Applications   *Ottawa, ON*

- Dean's Honour — **GPA: 3.77**
- Relevant coursework: Web Development (**HTML/CSS, JavaScript**), Databases (**MySQL**), Server-Side Programming (**PHP/C#**), Networking (**TCP/IP**), Web Security

Work Experience

Solace   **September 2024 – December 2024**
Web Developer Intern   *Ottawa, ON*

- Designed, developed, and deployed a responsive seasonal microsite using **PHP** and **WordPress**, supporting a cross-functional internal campaign; improved UI performance and increased employee engagement by **50%** year-over-year
- Diagnosed and resolved CI/CD pipeline issues by analyzing technical logs and **Node.js** version conflicts, reducing deployment failures by **80%** and increasing pipeline reliability
- Built a reusable WordPress plugin using **PHP**, delivering a scalable solution that enhanced application functionality and improved site navigation speed by **20%**
- Collaborated with development and QA teams in an **Agile environment** (sprint reviews, daily stand-ups) to deliver secure, high-quality code aligned with project goals and business requirements
- Participated in peer code reviews and contributed to knowledge sharing sessions, reinforcing secure coding standards and maintainability

Projects

PLAB 2 Practise Platform | *Website* | *Source Code*   **Spring Boot** | **React** | **TypeScript** | **PostgreSQL**

- * Engineered a responsive and scalable **React** frontend leveraging **Redux Toolkit** and **TypeScript**, providing robust state management, instant UI updates, and realistic medical scenario interactions
- * Optimized **PostgreSQL** database schema with 8 normalized tables and **Spring Data JPA**, achieving efficient data management, reducing session latency, and improving backend performance by over **70%**
- * Implemented secure, role-based authentication using **JWT** and **Spring Security**, ensuring structured interactions among Doctors, Patients, and Observers, enhancing application security and user trust
- * Delivered a real-time collaborative platform using **Java Spring Boot** and **WebSockets** (STOMP protocol), containerized with **Docker**, enabling seamless multi-user medical scenario simulations with precise session synchronization

Interview Coach AI | *Website* | *Source Code*   **React** | **Node.js** | **Express.js** | **MongoDB**

- * Developed an AI-powered interview preparation application with a dynamic and modular frontend using React, enhancing responsiveness and scalability across devices
- * Engineered and maintained secure **RESTful APIs** with **Node.js** and **Express**, enabling structured data flow and supporting seamless integration with external **LLM APIs**
- * Implemented error handling and asynchronous communication to ensure robust user experience; documented technical architecture to support future project contributors

Technical Skills

Languages: C#, Java, HTML, CSS, Javascript, PHP, SQL, TypeScript
Frameworks: Spring Boot, React.js, Node.js, .NET Core, REST API, PostgreSQL, MongoDB, WebSocket
Tools & Platforms: Docker, Git, GitHub, GCP, Linux CLI, IntelliJ, VS Code, Material-UI, Redux Toolkit, Gradle, JUnit