AHMED KHAFAJI

Toronto, Canada

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Education

York University Sep. 2020 – Apr. 2025
Bachelor of Engineering in Software Engineering *Toronto, ON, Canada*

Relevant Coursework

- Data Structures
- Algorithms Analysis
- Artificial Intelligence
- Systems Programming
- Software Methodology
- Database Management
- Internet Technology
- Computer Architecture

Experience

CAYDE SERVICES INC. 2022 – Present
Founder & Lead Engineer *Toronto, Canada*

- Bootstrapped and led a Canadian software company delivering government and campus-scale solutions.
- Built and scaled yuMeet, a university social platform with real-time messaging and event matchmaking.
- Oversaw technical architecture, hiring, partnerships, and go-to-market strategy across projects.

Distinctive Wood Products Feb. 2024 – Present
Full-Stack Software Engineer *Toronto, Canada*

- Sole developer responsible for modernizing and maintaining internal business systems using PHP, JavaScript, and SQL in a legacy environment.
- Redesigned critical backend workflows and database schemas, reducing system lag and query times by over 30%.
- Improved internal operations by building custom tools for order tracking, invoicing, and production, tailored to non-technical staff needs.

Lightring AI Nov. 2022 – Present
Senior Full-Stack Developer & Team Lead *Toronto, Canada*

- Directed the development of critical projects for government and healthcare sectors, increasing client retention by 15%.
- Introduced CI/CD pipelines and DevOps practices, reducing deployment times by 50%.
- Mentored junior developers and conducted code reviews, improving team communication and productivity.
- Led multi-platform app development that boosted workflow efficiency by 25% across the organization.
- Collaborated with stakeholders to define technical requirements and project roadmaps.

Projects

yuMeet – Campus Social App | *React Native, Next.js, PostgreSQL, Socket.IO* 2025

- Led development of a scalable matchmaking and messaging platform for York University students, supporting 55k+ users.
- Architected client-server model with real-time messaging, user verification, event creation, and personalized recommendations.
- Designed a performance-first infrastructure to support concurrent usage with offline fallback and local-first data sync.

Enterprise Billing System | *Next.js, Node.js, PostgreSQL* 2024

- Architected and developed a scalable billing system for the Iraq government, processing over 100k daily transactions.
- Integrated multiple payment gateways and implemented real-time transaction monitoring for enhanced scalability.
- Designed microservices architecture with load balancing, ensuring 99.9% uptime and fault tolerance.

Government E-Visa Platform | *Next.js, React, MongoDB* 2023

- Built comprehensive visa application system for Iraq ministry, reducing application processing time by 40%.
- Created dynamic content management admin system, engaging 50k+ monthly users with improved UX.
- Implemented advanced security features including document verification and fraud detection algorithms.

Technical Skills

Languages: Python, Java, C, HTML/CSS, JavaScript, TypeScript, PHP, SQL
Developer Tools: VS Code, Google Cloud Platform, Eclipse, Jenkins, GitHub, Docker, Kubernetes
Technologies/Frameworks: React, Next.js, Node.js, Express, Linux, Docker, Virtual Machines, Third-party APIs
Databases: PostgreSQL, MongoDB, Redis, MySQL
Leadership & Achievements: Team leadership, code architecture, performance optimization, technical mentoring, DevOps implementation