Haseeb Khan

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SUMMARY

I am a Canadian full-stack software engineer with 4+ years of experience in designing, developing, and delivering web applications using technologies like C#, React, PostgreSQL, and AWS.

EDUCATION

University of Calgary — Calgary, AB
Bachelor of Science in Software Engineering

Nanyang Technological University — Singapore
GEM Trailblazer Summer Programme — *July 2022*

EXPERIENCE

Software Engineer — Sept 2022 - Present
Deltek Replicon — *Calgary, AB - Remote*

- Led full-stack development for business-critical features and P1 incident resolution, serving **500K+** users with **C#**, **PostgreSQL**, **JavaScript**, and **AWS** stack.
- Engineered high-performance microservice processing **100+ million** monthly requests with **99.9% up-time**, utilizing **Elasticsearch**, **DynamoDB**, **Redis**, and **AWS** services for resilient data synchronization.
- Implemented **uuidv7** for time-ordered unique identifiers, improving write throughput by **27%** through reduced index fragmentation and enhanced query performance.
- Optimized **PostgreSQL** queries, improving list page performance by **83%** and reducing average page load time from **3.2s** to **0.5s**.
- Mentored **5+** junior engineers through structured projects and knowledge-sharing sessions.

Software Engineer Intern — May 2021 - Sept 2022
Deltek Replicon — *Calgary, AB - Remote*

- Spearheaded **CI/CD** pipeline optimization with **GitHub merge queues**, reducing build times by **30%**, cutting infrastructure costs, and decreasing deployment failures by **60%**, saving **12+** engineering hours weekly.
- Reengineered **WDIO** & **Mocha** test framework to eliminate flakiness, increasing pipeline stability by **35%** and enabling confident continuous delivery.
- Consolidated **9 VS** solutions into a unified monorepo, improving developer experience with **45%** lower CPU usage and **71%** reduced disk footprint.

PROJECTS

Trippler | *Next.js, OpenAI API, PostgreSQL, Prisma, AWS* — Feb 2025 - Present

- Architected an AI-powered travel planning application using **Next.js** and **OpenAI API**, generating personalized itineraries based on user preferences, with **300+** successful trips planned.
- Built scalable AWS infrastructure with **EC2**, **RDS**, and **S3**, achieving **99.9%** uptime and efficient **CI/CD** pipeline via **GitHub Actions**.
- Implemented secure user authentication with **NextAuth.js** and designed a scalable database schema using **Prisma ORM** for efficient query management..

AXS MAP | *Node.js, Express.js, MongoDB, React, Google Maps, AWS* — Sept 2022 - Apr 2024

- Automated deployment workflow using **AWS S3**, **EC2**, and **CloudFront** with **GitHub Actions** for **CI/CD**.
- Added Spanish, French, and Japanese support, expanding the user base and improving accessibility for users.

Finberry | *Node.js, Express.js, MongoDB, React, TwelveData, Firebase* — Sept 2022 - May 2023

- Led a team of 5 developers utilizing **Jira** to create a simulated investing application to promote financial literacy.
- Incorporated real-time stock information from **TwelveData** into a **MERN** stack hosted on **Vercel** & **Firebase**.
- Ensured support for over **10,000** user requests per minute and over **50** concurrent users.