

Saheel Sarker

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Education

Bachelor of Science in Computer Science, Minor in Mathematics

University of Alberta

September 2018 - November 2023

Edmonton, AB

Relevant Experience

Full Stack Software Developer

December 2025 – Present

Aeternum Project

Edmonton, AB (Hybrid)

- Shipped **React Native** screens and features with **Expo** and **TypeScript**, directly translating **Figma** designs from marketing & graphic designers into production.
- Stepped up into senior-level responsibilities after the lead developer's departure, taking ownership of high-priority tickets and consistently delivering high-quality features on schedule.
- Diagnosed and fixed critical API issues for the **Laravel/PHP** backend, **PostgreSQL** queries, and **AWS** services.
- Implemented admin system for **S3** media file diagnostics, enabling team to self diagnose issues, eliminating related escalations.
- Reworked **Python/Docker/ECR** deployment pipeline, fixing backend ENV and OS related deployment issues.
- Optimized media upload pipeline (thumbnail generation, real-time upload state, URL caching, video conversion), cutting processing time from 10+ seconds to 2–3 seconds.
- Overhauled legacy email and notification service, eliminating tightly coupled logic for long-term scalability.
- Restructured database schema across core tables and optimized queries, reducing query latency, compute load on **EC2**.

Full Stack Software Developer

November 2023 – April 2025

Zeni Pass

Edmonton, AB

- Built and launched a full-stack secure data management SaaS application using **Next.js (React)**, **Node.js** and **MongoDB**, growing to 500 active users.
- Enabled recurring revenue with **Stripe** payment processing integration and webhook-driven subscription entitlement updates, connecting billing events directly to user access state.
- Boosted operational reliability by enforcing API security with **Express** middleware and **JWT** authentication.
- Enhanced discoverability by implementing comprehensive **SEO** infrastructure that included **XML** sitemaps, robots.txt configuration, and Open Graph metadata tags, enabling better indexing across social platforms.
- Implemented automated emailing system using **Mailtrap** for notifications, billing, authentication, and recovery.

Projects

MoneyMind

February 2024

- Built a .NET (ASP.NET/ML.NET) expense tracker with EF Core/PostgreSQL, Identity auth, Docker, and custom ML pipeline with visualizations to predict budgets and enable proactive budgeting.

Technologies

Frontend: JavaScript, TypeScript, HTML, CSS, React.js, Next.js, Vue.js, Redux, Angular.

Backend: REST APIs, Node.js, Express.js, .NET, C#, Java, Python, PHP, GraphQL.

Databases: MongoDB, PostgreSQL, MS SQL Server, DynamoDB.

DevOps & Cloud: AWS, Microsoft Azure, Firebase, Docker, Git.