

# SALMAN AHMED

## Full Stack Engineer

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### SKILLS

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- **Languages:** TypeScript, JavaScript, Python, Java, Swift, Dart, Crystal
- **Libraries/Frameworks:** React.js, Next.js, Nest.js, Nuxt.js, Storybook.js, Node.js, Express.js, Fastify, LangChain, Redux, RTK Query, Flutter, Spider-Gazelle, Springboot, Firebase, IOS UIKit, Bootstrap, Material UI, Tailwind CSS
- **Databases:** MongoDB, MySQL, PostgreSQL
- **Tools:** Redis, Bull Queues, Swagger, Docker, Kubernetes, GCP, AWS, Azure App Services
- **CMS:** Strapi
- **Repositories:** Git, Bitbucket, SVN, OnePub

### EDUCATION

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**FAST - NATIONAL UNIVERSITY OF COMPUTER AND EMERGING SCIENCE**

**2018**

Bachelor of Science in Computer Science

### WORK EXPERIENCE

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**Senior Full Stack Engineer**

**2024-Present**

OneStream Live

- Pioneering the development of **OneStream Frontend 2.0**, following the **best practices**, **SOLID**, and **DRY** principle.
- Designed the **UI design system** from scratch, following the **extensibility** and **efficiency** of each component and implemented **Storybook.js** for the design system interface.
- Integrated Redux-Saga for complex API side-effects and asynchronous flows.
- Demonstrated expertise working with relational databases i.e. **MySQL** using Sequelize ORM within the **Node.js** environment.

**Full Stack Engineer**

**2024-2024**

AI Synapse

- Worked in a collaborative environment with Frontend, Backend, and AI teams, taking responsibility for each **feature development** and **integration**.
- Spearheaded the integration of **Redis** for enhanced **caching** and performance **optimization** within the backend system, ensuring faster data retrieval and improved and secure scalability in **multiple instance** environments.
- Designed and implemented a seamless **Campaign Flow** to send **Customized Emails to Users** at scheduled campaign dates and times, leveraging **bull queues** for efficient and timely delivery.
- Successfully contributed to both the web application and **AI Side** by utilizing **LangChain**, including implementing new features that enhanced the functionality of both platforms.

**Full Stack Engineer**

**2023-2024**

Devsinc

- Worked within a mono repo environment, taking sole ownership of the development of three distinct **Next.js** microservices applications.
- Consistently delivered optimized, organized, and well-documented code following the **DRY** principle, reducing redundancy, and increasing maintainability and scalability of the application.
- Published **React** components library and packages as NPM modules, promoting code reusability and efficiency.
- Demonstrated expertise working with non-relational databases i.e. **MongoDB** using **Mongoose ORM** and relational databases i.e. **SQL** and **PostgreSQL** using **Sequelize ORM** within the **Node.js** environment.
- Successfully contributed to both the web application and admin panel by utilizing **React**, including implementing new features that enhanced the functionality of both platforms.

## Back End Engineer

2022-2023

I2c Inc.

- Revamped legacy source code for multiple production microservice applications, resulting in improved usability, build, and significantly faster **runtime** performance.
- Led a team of four professionals in the successful migration and testing of builds and repositories for over **100+** critical microservice applications, ensuring a seamless transition and uninterrupted service delivery.
- Pioneered the development of multiple microservices applications from the ground up, adhering to **best coding practices** and employing cutting-edge methodologies to ensure robust and efficient solutions.

## Full Stack Engineer

2020-2022

Self-Employed

- Delivered customized software solutions to a diverse clientele, ensuring timely and effective implementation of client requirements, leading to a **99%** client satisfaction rate.
- Developed and maintained a multi-tenant e-commerce platform and integrated custom modules to extend functionality, optimize store performance, and meet specific business needs.
- Enhanced application performance and scalability by refactoring and optimizing existing codebases, resulting in a **40%** improvement in load time.

## PROJECTS

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### OneStream

A cloud-based live streaming platform that enables users to schedule and **multistream real-time** and **pre-recorded videos** to over **45 social media platforms** simultaneously. Working as a **Senior Full Stack Engineer**, pioneering the development of **Frontend 2.0** and **Backend 3.0**.

**Tech Stack:** TypeScript, React.js, Redux-Saga, Storybook.js, Node.js, Express.js, Redis, MySQL, RabbitMQ, Docker, Kubernetes, Tailwind CSS

- Pioneered the project structure and promoted using coding best practices by setting up **ESLint** and **TypeScript** configuration with unit test cases.
- Implemented **OpenAPI** docs auto generation for backend and then using it via **Swagger UI** to list the API endpoints to help decrease the development time.
- Participated in peer programming and code review processes, resulting in a **25%** reduction in bugs and a **30%** increase in code quality.

### AI Synapse

An **AI-driven** sales automation platform aimed at **enhancing conversion rates** through personalized outreach. Worked as a **Full Stack Engineer**, led backend development, collaborating with frontend and AI teams to integrate features seamlessly.

**Tech Stack:** TypeScript, Next.js, Nest.js, Python, Redis, Bull Queues, LangChain, MongoDB, Docker, Kubernetes, Azure App Service, Tailwind CSS

- Achieved an increase in outbound conversion rate by **12%-22%**.
- Implemented an efficient caching mechanism with Redis that substantially reduced API response time by **40%**.
- Crafted an optimized and efficient campaign flow logic to send customized emails, which reduced server load by **45%** and lowered costs.
- Integrated Personalized Email creation at a large scale using **LangChain** with **OpenAI**, and **Anthropic LLMs**.
- Deployed the backend, and frontend on **Azure App Service** and LinkedIn **Nest.js microservice** on **Azure Kubernetes Service (AKS)**, ensuring scalability and reliability.
- Utilized **Azure Redis** for in-memory data caching and **Azure Cosmos DB** as the primary database to manage high-volume data efficiently.

### RemoteReps

A global **outsourcing platform** offers complete management services, including recruiting, hiring, planning, training, and management. They offer expert sales and customer support reps for U.S.-based brands and companies.

**Tech Stack:** TypeScript, Next.js, React.js, Turbo.js, Tailwind CSS, SWR, Swagger, Docker, Kubernetes, AWS S3

- Participated in peer programming and code review processes, resulting in a **25%** reduction in bugs and a **30%** increase in code quality.
- Implemented an efficient caching mechanism that substantially reduced redundant calls to the dialog flow, resulting in a **50%** cost reduction.
- Reduced loading times by **30%**.
- Utilized **AWS S3** for storing and managing static assets, ensuring high availability and faster load times with CDN.
- Adhered to **WAI-ARIA** guidelines, providing keyboard support and sensible focus management for improved accessibility.