# SALMAN AHMED

## Full Stack Engineer

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## SKILLS

- **Languages:** TypeScript, JavaScript, Python, Java, Swift, Dart, Crystal
- **Libraries/Frameworks:** Next.js, Nest.js, Nuxt.js, React.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

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## EDUCATION

**FAST - NATIONAL UNIVERSITY OF COMPUTER AND EMERGING SCIENCE**                                               **2018**
Bachelor of Science in Computer Science

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## WORK EXPERIENCE

**Full Stack Engineer**                                                                                                    **2024-Present**

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 four distinct **Next.js** microservices applications (Admin, Client, Talent, common-components) architecture using **Turbo JS**.
- 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 **NodeJS** 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 **JAVA** 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 fintech microservice applications, ensuring a seamless transition and uninterrupted service delivery.
- Pioneered the development of multiple microservices applications for the fintech sector from the ground up, adhering to **best coding practices** and employing cutting-edge methodologies to ensure robust and efficient solutions.

**Software 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 microservices architecture for various web applications, leveraging technologies such as **React.js**, **Node.js**, **Express.js**, **MongoDB**, and **Docker**, reducing development time by **30%**.
- Enhanced application performance and scalability by refactoring and optimizing existing codebases, resulting in a **40%** improvement in load times and a **25%** reduction in server costs.

## PROJECTS

### AI Synapse

Working as a **Full Stack Engineer**, leading the backend development and working and contributing to other teams such as Frontend and AI, an automated AI Platform to **enhance sales** and **boost conversion rates**. Leveraging **Next.js, Nest.js**, **Redis, and Bull Queues**, I significantly improved the efficiency and performance of the whole flow.

- 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.
- 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

Worked through Devsinc as a **Senior Frontend Engineer**, a global **freelancing platform**. Leveraging **Next.js**, **Tailwind CSS**, and **Turbo.js**, I optimized performance and navigation. Using **Swagger**, I seamlessly integrated API endpoints. Translating **Figma** designs pixel-perfectly, I ensured a polished user interface.

- 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.

### React Flavor

React Flavor is a **React** component library that includes **over 30+ input**, and design components, each offering numerous props to achieve the desired functionality or appearance. The library seamlessly integrates with **Tailwind CSS** and allows for full customization according to specific needs.

- Adhered to **WAI-ARIA** guidelines, providing keyboard support and sensible focus management for improved accessibility.
- Reduced frontend rendering times by **15%**, resulting in improved page load speeds and user retention.
- Received positive feedback from users and developers, with a **90%** satisfaction rating based on user surveys and community reviews.

### Lokafy

Worked through Devsinc as a **Full Stack Engineer**, I played a pivotal role in the development of **Lokafy**, a revolutionary traveling platform that emphasizes meaningful connections between travelers and locals worldwide. By leveraging **Nuxt.js**, **DevExtreme**, **Docker**, and **Kubernetes (GKE)**, we created a robust and scalable solution to enhance the travel experience.

- Deployed a service on **Google Kubernetes Engine** (**GKE**) to implement **100%** PostgreSQL **(Google Cloud SQL)** data anonymization during data synchronization processes, preserving data integrity and privacy.
- Integrated **SonarQube** seamlessly into our development pipeline using **Jenkins**, empowering automated code analysis to detect and address vulnerabilities effectively.
- Received **95%** positive feedback from stakeholders for maintaining high standards of **data security** and **privacy** compliance.
- Migrated the code repository from **AWS CodeCommit** to **Github**.