Nemish Vorra

SENIOR FULL STACK SOFTWARE
ENGINEER

Details

Ahmedabad

India

naimishjvora@gmail.com

Links

Personal Website

Github

LinkedIn

Skills

React | Node.js | JavaScript |
NestJs | Typescript | Angular | Rust

MySQL | PostgreSQL | Redis |
GraphQL

Git | Kubernetes | Docker | AWS |
Azure

Mocha | Chai | Jest

Cloudflare | Fastly | Akamai
Edgeworkers

Hobbies

Hiking, Gaming, and Travelling

Languages

English

Hindi

Profile

Experienced Full-Stack Software Engineer with 7+ years in JavaScript frameworks (React, Node.js, Nest.js), distributed systems, and scalable applications handling 1M+ RPS. Skilled in AI integration, Kubernetes, and cloud technologies, with a proven track record of leading teams and delivering innovative solutions.

Passionate about building user-focused applications and leveraging AI in full-stack development. Seeking a role to design scalable systems, and impactful web solutions, and lead teams at the intersection of AI and distributed systems.

Employment History

Member of Technical Staff, Macrometa Corp., Remote (USA)

NOVEMBER 2021 — PRESENT

As a member of the technical staff I have gained experience in deploying scalable and efficient distributed applications using Kubernetes, Javascript, Go and Rust. My work focuses on creating customer-centric solutions for a variety of projects, including one where I contributed to increasing edge function execution RPS by 400%,

Project: Virtual Waiting Room

- Collaborated with a team at Macrometa to develop a highly customizable virtual waiting room solution tailored to customer needs.
- Enabled customers to configure their domain and design their waiting room HTML for a personalized experience.
- Managed user access based on the desired RPS configuration, ensuring optimal load management and system performance.
- Developed an edge worker responsible for handling 60% of the business logic which moved complex logic from the EC2 server to the globally distributed edge, including placing users into a queue and providing access tokens securely with fingerprinting and digest.
- Assisted in scaling the solution to support up to 1 million RPS, guaranteeing a seamless and efficient user experience.

Project: Compute FAAS

- Developed and launched Function as a Service, enabling users to create Akamai Edge functions from the Macrometa portal and integrate them with stream workers (for processing data streams) or query workers (for querying the distributed GDN platform) at the edge.
- Worked on the creation of a distributed edge-as-a-service platform, allowing users to run any code at the edge, enhancing the flexibility and responsiveness of the system.
- Gained expertise in building edge functions using Rust for executing Go, Rust and JavaScript code, further expanding the range of solutions provided by Macrometa.
- Collaborated with cross-functional teams to design and implement customer-centric solutions that meet the evolving needs of the market.
- Worked with various edge function providers, such as Cloudflare, Fastly, and Akamai Edge Functions, to ensure seamless integration and optimal performance.

Project: Salesforce - Edge Caching and Data Privacy

- Developed the Macrometa Lead Management Portal, an admin and user platform for lead management that demonstrates the edge caching and data privacy capabilities of the GDN using Go and React.

Senior Programmer Analyst, Argusoft India Ltd, Gandhinagar, India

JULY 2020 — NOVEMBER 2021

Project: Techo Echo System | techo.gujarat.gov.in

Techo is an innovative SaaS platform that includes a suite of mobile and web applications focused on promoting family-centered safe motherhood and newborn care. This platform aims to improve maternal and child health outcomes by providing essential tools for health workers, including doctors, ASHA workers, administrative officers, and other government professionals.

- Spearheaded the development of a real-time Covid-19 dashboard for Gujarat State, showcasing critical data such as scans, active cases, and admitted cases; this required the efficient processing of large terabytes of data.
- Implemented a dynamic management feature that allowed administrators to seamlessly generate and modify mobile application menus using AngularJS.
- Engineered services and cron jobs to facilitate data transfer between government portals, including the RCH portal, streamlining information flow and collaboration.
- Successfully refactored Angular and Spring Boot code, achieving a substantial 25% performance improvement across the platform.
- Designed and implemented APIs to enable the secure and efficient transfer of real-time data for consumption by the chief minister's dashboard.
- Managed the deployment, backup, and restore processes for the main database, maintaining smooth operations and data integrity throughout the migration process.

Programmer Analyst, Argusoft India Ltd, Gandhinagar, India

JULY 2018 — JULY 2020

Project: Sofy Suite (KPMG Netherlands) | kpmgsofy.com

Sofy Suite is a platform that bundles ready-to-use analytics solutions to help clients accelerate their digital ambitions and leverage their data to tackle various business challenges.

- Developed new features for importing and exporting data from various remote servers (e.g., SFTP, Azure, FTP) to enhance the platform's functionality.
- Addressed infrastructure issues, and web app crashes, and configured PM2, Application Insights, Azure artifacts, and other solutions to ensure high availability and easy debugging of apps.
- Collaborated on creating a dynamic widget builder using Bootstrap and updated critical modules affecting the entire system (e.g., Font Awesome, Bootstrap, MS SQL connection drivers).
- Worked on resolving vulnerabilities in npm packages and fixed memory leaks in the application, which involved analyzing memory heap dumps.
- Wrote unit test cases for NodeJS using Mocha and for VueJS using Jest, incorporating mutation testing tools to ensure code quality.

Education

Computer Engineering(B.TECH.), Dharmsinh Desai University, Nadiad, India

2014 — 2018

Graduated with first-class distinction and ranked among the top 10 in the class.

OPEN SOURCE CONTRIBUTIONS

Node mssql | github.com/tediousjs/node-mssql - Addressed a memory leak in underlying data streams due to backpressure issues when fetching millions of records from the database.

Node mssql | github.com/tediousjs/node-mssql – Addressed driver closing connection while reading data in chunks(Stream).

Telegram-bot-api | github.com/telegram-bot-api/ - Fixed bug related to video caption issue while reading data from telegram.

Extra-curricular activities

- Received a Google Home and Google Cloud Credit worth $2400 from Google for developing an application for Google assistant that engaged a good number of users.
- 4 Different certificates from hacker rank for Problem-solving, SQL, JAVA, Angular
- Total 7 badges in hacker rank where Problem Solving and SQL have 5 starts.