Animesh Ray

Staff Software Engineer

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Skills

Reactjs

React-native

Next.js

Three.js

Typescript

D3.js

Nodejs

Express

Nest.js

Prisma.io

Docker

kubernetes

- I am a father to two doting daughters, a storyteller and a **javascript enthusiast** with more than **15 years of experience**.
- My work experience consists of a vast variety of technology stacks, from the **web** to **mobile**.

Following are a few of the tools and technologies I have exposure to:-

- Frontend: **react, next.js, react-native, rx-js, typescript, javascript, angularjs, socket.io, d3.js, danger.js, redux, tanstack react-query, redux toolkit, zustand, tailwind css, material ui, apollo client, graphQL, SEO, three.js, microfrontends.**
- Backend: **nodejs, express, nestjs, prisma.io, java, Spring Boot, Spring Webflux, Gradle.**
- Monitoring & Observability: **Cloud Watch, New Relic, ELK, Grafana, sentry.io, splunk, quantum metrics, Elastic Search.**
- Cloud and DevOps Proficiency: **Docker, AWS, PM2, nginx, terraform, kafka, redis message queue, k8s, AgroCD, Komodor, Vercel, Cloudflare, akamai, github actions, jenkins, harness.**
- Database: knowledge of relational & **NoSQL**. **PostgreSQL, mongodb, redis.**

Work History

2025-03 - Current

Staff Software Engineer

Spotnana, Remote

- Worked with the Data and AI team for AI-based flight recommendations.
- Worked with the Data and AI team to build a chatbot that can plan a trip.
- Implemented role based access control.

2024-10 - 2025-03

Senior Staff Software Engineer

Synopsys, Hyderabad, India

- Developed a leaderboard to showcase AI models and their benchmarking scores, akin to the Hugging Face leaderboard: https://huggingface.co/spaces/open-llm-leaderboard/open_llm_leaderboard.
- This application also features model fine-tuning capabilities, and a playground for interactive AI model engagement.

2023-06 - 2024-08

Staff Software Engineer

Cowbell Cyber, Pune, India (Remote)

- **SEO Performance.** Utilized **Sentry** and **New Relic** to maintain industry-standard **core web vitals**, leading to a significant improvement in **SEO** performance.
- **Unit Test Coverage.** Led initiatives to increase unit test coverage to 90%, leveraging Codecov and SonarQube to set quality gates, and enhance code reliability.
- **Real-Time Event-Driven Email Client.** Designed and implemented a real-time, event-driven email client using server-side events, and integrated notification services.
- Notification service: Developed a notification service from the ground up using Java, Spring, and Webflux.
- Upgraded legacy system to Spring Boot 3.x.
- **Reusable UI Component.** Spearheaded the development of reusable UI components, and maintained a comprehensive UI component gallery with Storybook.
- Quickly prototyped a D2C web application for data and risk analysis with Next.js, NestJS, Prisma.io, PostgreSQL, Elasticsearch, and Kafka.

2021-12 - 2023-04

Principal Software Developer

Advance Auto Parts, Hyderabad, TG

- Working towards building Omni channel experience.
- Developed smart banner to be displayed on mobile web, to encourage customers to jump from mobile web view to mobile native apps.
- Integrated with **sessionai(**AI/ML) tool to personalise discounting for customers. That led to improved conversions, sales and revenue.
- Used best practices to iteratively improve the core web vitals, thereby improving the SEO ranking of the web pages.
- Developed cloud API is written in expressjs, which acts as a facade layer for react native apps and the web.
- Made **shop.advanceautoparts.com CCPA** compliant. Integrated with onetrust.com.
- Revamped the whole search and checkout experience of e-commerce.

- Implemented market/store-based pricing, using Google PLA/LIA.

2019-11 - 2021-11	**Senior Software Developer**

NetSPI

- Recruiting and mentoring the frontend team.
- Developed B2B enterprise level logging software which would help Penetration testers to log their findings and vulnerabilities.
- SAML 2.0 compliant for access to federated users.

2016-09 - 2019-11	**Senior Software Developer**

Optymyze
Killing it with javascript everywhere. Actively developing features and doing some feature enhancements for Optymyze Web and Mobile app.

- Prototyped and currently developing voice and video calls using **webrtc**.
- Currently spearheading the initiative of collaboration by integrating with **Microsoft Azure AD**, **Teams**, **SharePoint**, **OneNote** etc. Integrated with Microsoft Azure AD through OAuth2 with client-credentials and auth-code grant types.
- Implemented OAuth2 for clients to access data which they own.
- SAML integration.
- Working on charting and Visualization with **d3**. Developed bubble charts with d3 for predictive analysis. Have a look at my work so far fro visualization https://www.willsnvision.com/
- Upgrading from angular 1 to 2 was a decision point for us where we did some POC and found that React is a better performant. So I am proactively migrating company's codebase from angular 1.x to react 16.
- Currently, our company's mobile app is on Cordova Hybrid app but we are migrating to react-native. So I am actively contributing to it. Gave knowledge transfer sessions on react-native to my colleagues. https://github.com/raydedon/ReactNativeToDoApp

Following are the tech stack which defines me in the current organisation:-

On the web:-
react, redux, redux-thunk, redux-observables,
angular 1.x, socket.io, webpack bundler, TypeScript

Native application:-
electronjs.
Visualization:-
d3.js
Mobile app:-
react-native, Cordova.
Backend:-
Nodejs, express, Java/J2EE, springs and hibernate
Database:-
mongodb, Oracle and mysql

2013-12 - 2016-05	**Software Developer**

Question Pro
QuestionPro has product on online Survey and
analytical software. It provided me an opportunity
to develop myself as a full stack developer. I do
feature development and enhancement. At
Question Pro the technology stacks consisted of the
following:-

- Java/J2ee
- Struts 1.x
- Angular JS
- Node JS
- Grunt
- Ant Build Tool

2011-09 - 2013-12	**Software Engineer**

Capellla Web Solutions
Capella is a service-based company where I
contributed to delivering logistics-related software
projects for the Dubai Trade portal. The primary
technologies used in these projects included
JAVA/J2EE, Struts 1 and 2, iBatis, jQuery, and
JavaScript.

2010-07 - 2011-08	**Software Engineer**

Metrixline
Feature development for in house analytical
product.
Tech Stack:-

Education

2004-07 - 2008-07	**Bachelor of Engineering: Information Technology**
	Army Institute of Technology, University of Pune - Pune, MH