

# Animesh Ray

Staff Software Engineer

## Contact

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## Skills

Reactjs

React-native

Next.js

Rx-js

Typescript

D3

Socket.io

Nodejs

Express

Nest.js

Prisma.io

- I am a father to two doting daughters, a storyteller and a **javascript enthusiast** with more than **14 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, material ui, SEO**
- backend: **nodejs, express, nestjs, prisma.io, java, spring boot, Gradle, Elastic Search**
- devops: **Docker, AWS, PM2, nginx, terraform, kafka, redis message queue, k8s, AgroCD, Komodor, Vercel, Cloudflare, akamai, github actions, jenkins**
- database: **PostgreSQL, mongodb, redis**
- tools: **Splunk, new relic, quantum metrics, sentry.io**

## Work History

2023-06 -

Current

### Staff Software Engineer

Cowbell Cyber, Pune, India

- **Collaboration.** Collaborated with cross-functional teams to deliver high-quality software products on schedule, enhancing team productivity and project outcomes.
- **Implementing Tools.** Implemented and optimized application error monitoring, tracing, and profiling tools, improving system reliability and performance.
- **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.
- **Reusable UI Component.** Spearheaded the development of reusable UI components and

Docker

kubernetes

Terraform

PostgreSQL

Aws

java

Java spring boot

maintained a comprehensive UI component gallery with **Storybook**.

- **Production Support Bugs.** Resolved production support bugs utilizing APM tools like **New Relic**, **Sentry** and **Datadog**, ensuring system stability and performance.
- **Documentation.** Documented micro-services and features comprehensively using **Confluence** and **Miro**, facilitating better team collaboration and knowledge sharing.
- **Agile Sprint Activities.** Documented and motivated the team to align with agile sprint activities, boosting productivity and enhancing collaboration.
- 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.

2016-09 -  
2019-11

- 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.

## 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 from 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 performer. 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

*Capella 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:-

Core Java, J2EE, Struts, Flex, Action Scripts, ILog, JSP, MySQL5.x., Tomcat 6, Ant

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## Education

2004-07 -

**Bachelor of Engineering**

2008-07

*Army Institute of Technology, University of Pune - Pune,  
MH*