

# Asit Prakash

Sr. Software Engineer (L4)

Bangalore, India

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Senior Full-stack Engineer with **6+ years** of experience in **architecting scalable solutions** and **optimizing full-stack systems**. Proficient in **JavaScript, TypeScript, Node.js, React, NestJS, MySQL, Redis, CI/CD, and cloud platforms**. Strong in **technical leadership, mentoring, and project management**, ensuring **efficient development and seamless collaboration** across global time zones with remote, distributed teams. Skilled in **problem-solving, stakeholder communication, and driving high-impact solutions**.

## Technical Skills

**Languages & Frameworks:** JavaScript, TypeScript, Node.js, Express.js, NestJS, TypeORM, React.js, Next.js, React Native

**Systems & Scripting:** Linux/Unix, Bash scripting, Shell utilities (grep, awk, sed), Build tools (Make, npm)

**Containerization, Testing & DevOps:** Docker, CI/CD pipelines, Jest (Unit Testing), Webpack, NPM

**Databases:** MySQL, MongoDB (NoSQL), Firebase Realtime DB

**Messaging & Caching:** Kafka, Redis

**Cloud & Infrastructure:** Google Cloud Platform (GCP), Firebase

**Version Control:** Git

**AI & Productivity Tools:** ChatGPT, GitHub Copilot, Claude, Cursor, OpenAI APIs, Bard

## Work History

Sr. Software Engineer(Fullstack)

April 2022 - Present

[Turing](#)

**Project:** AI Labeling Tool

- **Overview:** Designed and implemented an advanced **AI-powered labeling tool** to automate event capture for **video annotation** and enhance **PDF annotation**. Focused on **streamlining annotation workflows**, improving **data structuring**, and ensuring **high-quality labeled datasets** for AI model training.
- **Technologies:** React, Typescript, NestJS, Node JS, Mysql, Big Query, Redis, Jest, React Query, Axios
- **Impact:**
  - **Automated** repetitive annotation tasks, **reducing manual effort** and significantly **improving annotation speed and accuracy**.
  - **Enhanced PDF annotation** capabilities, enabling **structured data extraction** for AI model training.
  - **Optimized workflows**, allowing AI models to **train on higher-quality labeled data at scale**, leading to improved AI performance.

- Developed a **robust and scalable architecture**, ensuring seamless integration and **efficient processing of large datasets**.

**Project:** Vetting Engine

- **Overview:** Led the enhancement of a **technical vetting portal**, integrating **MCQs, coding challenges, AI-driven assessments, and practical tasks** for a **comprehensive developer evaluation**. Revamped the **coding challenge tool** to provide **deeper insights** and improve the **developer experience**.
- **Technologies:** React, Typescript, NestJS, Node JS, Mysql, Big Query, Redis, Jest, React Query, Axios
- **Impact:**
  - **Increased the accuracy** of developer assessments by **17%**, leading to better hiring decisions.
  - **Optimized candidate evaluation** by refining challenge structures, improving **signal quality and developer performance insights**.
  - **Enhanced user experience**, proactively addressing **bugs and pain points** reported by candidates through **real-time monitoring and alerts**.
  - Strengthened the vetting portal's **scalability and efficiency**, ensuring seamless execution of **large-scale assessments**.

Software Engineer

[Impelsys](#)

Sep 2021 - April 2022

**Project:** NCUK Enterprise

- **Overview:** Engineered a **Student Management System** with **role-based access** and an integrated **virtual learning platform**, catering to NCUK's diverse user base.
- **Technologies:** React, TypeScript, Redux Toolkit, React Query, Axios, Storybook, React Testing Library, Jest.
- **Impact:** **Optimized educational workflows**, enhancing **user experience** and enabling a **centralized, scalable platform**, earning high stakeholder approval.

Software Engineer

[Innoraft Solutions](#)

Jan 2020 - Aug 2021

**Project:** Brazil Liberty Seguros Broker Intranet Portal

- **Overview:** Developed a **CMS-driven broker portal** for **Brazil Liberty Seguros**, integrating **campaigns, news, and client management** features.
- **Technologies:** React, JS, Drupal.
- **Impact:** **Improved broker efficiency** and **customer service** through **centralized access to resources**. Personalized dashboards received **positive feedback**, strengthening broker relationships.

## Education

**B.Tech (Information Technology) | Techno Main Salt Lake, Kolkata | 2020**