

# Kartik Chandra Naik

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## SKILLS

• Java • Node • Spring Boot • React • MySQL • Kafka • Redis • Git • Docker • EC2 • Linux • Spring Security • Networking

## EXPERIENCE

### Signzy Technologies

SDE 1

December 2024 - Present

Bangalore, India

#### • Confidential Onsite Project

- Led the development of a digital onboarding platform that enabled users to securely sign in and access dashboards, allowing government and enterprise clients to digitize their verification workflows.
- Designed and implemented microservice-based backend architecture, integrating Redis for caching, RabbitMQ for message queuing, and Kafka for real-time event streaming to ensure high system reliability and scalability.
- Built and optimized APIs for digital identity verification, automating onboarding processes that reduced manual intervention by over 60% and accelerated client adoption of digital services.
- Collaborated closely with client stakeholders onsite to gather requirements, design workflows, and ensure compliance with local regulatory standards for data handling and identity verification.
- Developed monitoring and recovery workflows to detect and reprocess failed onboarding cases, improving overall success and reducing downtime during high-volume onboarding campaigns.
- Coordinated with cross-functional teams using Jira to plan sprints, track progress, and deliver features on schedule, contributing to smooth project execution.
- Mentored junior developers and supported the integration of automated testing and CI/CD practices, ensuring higher code quality and faster delivery cycles.

#### • HDFC CA

- Engineered automation scripts to streamline backend data validation and correction, reducing manual intervention by 80%.
- Designed and optimized API-driven solutions to identify and rectify erroneous application data, improving processing accuracy and reducing rejection rates by 30%.
- Developed scripts to fetch, analyze, and correct application data, cutting troubleshooting time by 50%.
- Integrated automated workflows with backend APIs, improving the efficiency of reprocessing and resubmitting corrected applications, increasing recovery rates by 25%.

### FestiveLearn

Full Stack Developer

June 2023 - November 2024

Bangalore, India

#### • Learning Management System (LMS)

- Engineered a scalable and interactive LMS using **React.js** for the frontend and **Spring Boot (Java)** for the backend, improving user engagement by 30%.
- Designed and optimized **RESTful APIs** to enhance backend response times, reducing latency by 35%.
- Implemented **role-based authentication** with JWT, ensuring secure and controlled access for students, instructors, and admins.
- Optimized database operations by integrating **Spring Data JPA with MySQL**, decreasing query execution time by 40%.
- Built a **real-time notification system** using WebSockets, enabling instant updates for assignments, deadlines, and discussions.
- Developed a **dynamic assessment module** with automated grading, time tracking, and performance analytics, enhancing student evaluation efficiency.
- Utilized **React Query** for efficient state management, reducing API calls and improving frontend performance.
- Implemented **lazy loading and code splitting** to optimize page load times, improving application speed by 25%.
- Designed an intuitive admin dashboard to monitor user activity, track course completion rates, and generate detailed engagement reports.
- Integrated **OAuth 2.0 authentication** for seamless third-party login via Google and social platforms.
- Developed a **file management system** for instructors to upload, organize, and distribute learning materials efficiently.
- Automated email notifications for course updates, assignment reminders, and student progress reports, reducing manual communication effort by 60%.
- Deployed the application using **Docker**, ensuring a consistent and scalable environment across development, testing, and production.
- Configured **logging and monitoring tools** to track application health and performance, improving system reliability.

### • Event and Fest Management

- Engineered a dynamic **event management system** with **React.js** and **Spring Boot**, boosting event participation by 35%.
- Developed a **real-time notification system** using WebSockets, ensuring instant updates for event registrations and schedule changes.
- Implemented **automated event reminders** via email and SMS, increasing attendee engagement and reducing no-shows.
- Optimized backend performance by leveraging **caching mechanisms** and reducing redundant API calls, cutting server load by 20%.
- Designed an intuitive dashboard for event organizers to track registrations, send bulk notifications, and manage schedules effortlessly.
- Integrated secure **role-based access control**, ensuring only authorized users could create, edit, or manage events.

## PROJECTS

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### NetPulse – Network Monitoring Tool

- Developed a React-based real-time network monitoring tool with **SSH, SNMP, Traceroute, and NMAP** for efficient outage detection and troubleshooting.
- Designed an interactive dashboard to visualize network health and performance, reducing downtime by 20%.
- Integrated **React Speedometer** to measure network speed in real-time, enabling precise bandwidth monitoring.
- Implemented dynamic **line graphs** using Chart.js to display live memory usage, improving performance analysis.
- Integrated **Remote Desktop Protocol (RDP)** functionality, allowing administrators to securely log in and monitor network nodes remotely.
- Developed network fault detection mechanisms with automated alerts, enhancing proactive issue resolution and reducing response time.

### Network Route Visualizer

- Created a React-powered web application to visualize and analyze network routes dynamically.
- Optimized route computation and latency tracking, leading to 20% faster issue detection.
- Enhanced user experience and troubleshooting efficiency, improving customer satisfaction.

### Contactless Billing System

- Built a **React and Spring Boot**-based contactless billing system to streamline checkouts and improve user experience.
- Developed a **self-checkout system** that allows users to pick products, scan them using a mobile device or kiosk, and complete the purchase without cashier assistance.
- Implemented **QR code and barcode scanning** functionality using React.js and integrated it with the backend for seamless product identification.
- Optimized transaction processing with **Spring Boot and MySQL**, ensuring real-time inventory updates and order synchronization.
- Integrated **secure digital payment gateways** (UPI, credit/debit cards, and wallets) to facilitate cashless transactions.
- Designed a dynamic and intuitive UI for the self-checkout interface, reducing checkout times by 20% and improving customer satisfaction by 15%.
- Developed an **admin dashboard** to manage products, track sales, and analyze customer purchasing behavior using data visualization tools.
- Implemented **real-time receipt generation** and automated email confirmations, ensuring a seamless post-purchase experience.
- Secured user data with **JWT-based authentication** and enforced role-based access control for admins and customers.

## EDUCATION

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### PES University

*Master of Computer Application*

•GPA: 75%.

Bangalore, Karnataka

2022 – 2024

### Kristu Jayanti College

*Bachelor of Computer Application*

•GPA: 87%

Bangalore, Karnataka

2019 – 2021