

# NIKHIL GOUD

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## SUMMARY

Results-driven Full Stack Developer with **4+** years of expertise in large scale distributed web based applications, Data Structures, Algorithms and **FinTech** domain. Specialized in building responsive, scalable applications using **Java, Spring Boot, React, Typescript, Maven, SQL, AWS and GCP**. Strong background in agile methodologies with excellent analytical skills, attention to detail and delivering high-quality customer experiences.

## WORK EXPERIENCE

### Founding Software Engineer

Deleg8, Chicago, USA

January 2025 - Present

- Developed cross-platform Deleg8 Dashboard and Integrated Calendar events using **React, Javascript** enhancing user experience by **70%**.
- Engineered scalable REST APIs with **Java, Spring Boot, PostgreSQL, React Native** to handle User profile and authentication for iOS and Android.
- Deployed microservices to **GCP(GCS, GKE, Cloud Run)**, optimized containerized deployments and automated DevOps **CI/CD** workflows.
- Integrated **LLM, AI-powered tools** for Calendar Intelligence, enabling smart scheduling and analyzing AI-driven insights.

### Software Engineer Intern

BMO, Naperville, USA

January 2024 - August 2024

- Built responsive web applications for BMO Wealth Management using **Java, Spring Boot, Angular, TypeScript, MongoDB and PostgreSQL**.
- Spearheaded migration of Revenue App from monolithic to microservices architecture, improving system reliability by **40%**.
- Collaborated in an Scrum-based **Agile** environment, working closely with **engineers, product management** to deliver high-quality software.
- Deployed microservices to **Docker, AWS** and used MVVM, Strategy **Design patterns** by following (TDD) **Test Driven Development**.
- Utilized **Kubernetes, AWS (EC2, S3, Cloud Functions, AWS Lambda, RDS)** and **Swagger** to document **30+ RESTful APIs** for Wealth Management.

### Software Engineer II

NCR Voyix, Bangalore, IN

April 2021 - December 2022

- Recognized with **NCR** early career HIPO Performance award and **Promoted** to Software Engineer II.(Banking, PRISM SaaS).
- Optimized **Event-based architecture** of distributed systems for Alerts Application by **35%** through algorithmic and architectural refinements.
- Architected and implemented responsive web development Alerts app using **React, JavaScript, Java, Springboot, PubSub, Maven and GCP**.
- Containerized Alerts microservices from on-prem to **GCP(S3, GCS, GKE, IAM)** and automating DevOps **CI/CD pipelines** using **Terraform**.
- Mentored a team of **11** junior developers and conducted **code reviews** to ensure high quality and best practices of SDLC.
- Implemented unit and integration test automation using **JUnit** and **Mockito**, achieving **90%** code coverage and reducing bugs by **65%**.
- Integrated **Logging, Monitoring and Alerting** for Alerts app and **Apache Kafka** for real-time analytics, increasing throughput by **65%**.

### Software Engineer I

NCR Voyix, Bangalore, IN

July 2019 - March 2021

- Engineered Alerts web application using **Java/J2EE, Spring Boot, React, Maven, JavaScript** and **PostgreSQL** enhancing performance by **2.8x**.
- Designed DB Schema and optimized **RDBMS Oracle database query execution** for Alerts module, reducing response time by **30%**.
- Developed Web services for Alert Preferences Module and resolved **30+** critical bugs, following **Behavior Driven Development**.
- Handled **30+** security vulnerabilities on **WhiteSource** and achieved **1.7x** increase in product efficiency & reduced errors by **15%**.
- Resolved **20+** ServiceNow production tickets and participated in infrastructure monitoring, debugging and logging and tooling.

## EDUCATION

Illinois Institute of Technology, Chicago, US

January 2023 - December 2024

**Master of Science, Computer Science**, GPA: 3.6/4.0

Visvesvaraya Technological University, Bangalore, IN

June 2015 - June 2019

**Bachelor of Engineering in Computer Science and Engineering**, GPA: 7.32/10.0

## SKILLS

**Programming Languages:** Java, Spring Boot, Python, React, TypeScript, React Native, C, C++, Angular, Javascript, Node.js, HTML, CSS, SQL, NoSQL.

**Tools & Technologies:** Maven, Gradle, Webpack, Git, LLMs, JIRA, Confluence, Github, IaaS, ServiceNow, Jenkins, Graph Database, PostgreSQL.

**Frameworks & Cloud Computing:** AWS, GCP, Azure, Kubernetes, Helm, Containers, REST API, Langchain, Autogen, Terraform.

**Developer Tools:** Spring Tool Suite 4, Postman, Eclipse IDE, IntelliJ Idea, DBeaver, Visual Studio Code, Argocd, Cloudflare.

**Miscellaneous:** OOPs, ci/cd, system administration/Unix tools, debugger, build tools, source control, profilers, Microservices Architecture.

**Leadership:** Technical Documentation, Object-Oriented Programming, Design Patterns, Database design, Software development.

## PROJECTS

### Blog and Recommendations Application

October 2024 - January 2025

- Built a full stack web app with **React, Java, Elasticsearch**, serving **5k+** users with **AI recommendations** and real-time weather updates.
- Developed a dynamic blog system using **LLMs**, allowing users to create, publish, edit, and manage blog posts via an admin dashboard.

### Ecommerce Application

June 2024 - September 2024

- Designed a robust Ecommerce platform using **React, Typescript, MySQL** and **Python Fast API** with load balancing reducing latency by **60%**.
- Engineered a high-throughput distributed system handling **30K+** users with **event-driven architecture** and **Redis** caching.

### AI-Powered Virtual Assistant for Real Estate Project Planning

May 2024 - August 2024

- Implemented a **multi-agent AI framework** reducing project planning time by **50%** using virtual AI agents **Autogen** and **Langchain**.
- Conducted **AI-driven analysis** on real estate project plans, achieving **90%** accuracy in requirement validation and documentation efficiency.