

# NIKHIL GOUD

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## SUMMARY

Results-driven Full Stack Developer with **4+** years of extensive experience in modern Web technologies, Data Structures, Algorithms and FinTech domain. Specialized in building responsive, scalable applications using **React, Java, Spring Boot, SQL** and **cloud technologies**. Strong background in agile methodologies with excellent analytical, problem-solving skills and attention to detail and delivering high-quality customer experiences.

## WORK EXPERIENCE

### Software Engineer Intern

BMO, Naperville, USA

January 2024 - August 2024

- Spearheaded migration of Revenue App from monolithic to microservices architecture, improving system reliability by **40%**.
- Built responsive web applications for BMO Wealth Management using **Angular, TypeScript, Java, Python, Springboot** and **MySQL**.
- Collaborated in an **Agile** environment, working closely with **engineers, product management** to deliver high-quality software.
- Deployed microservices to Docker, **AWS** and used Observer and Spring MVC **Design patterns** by following **Test Driven Development**.
- Utilized **Docker, Kubernetes, AWS (EC2, EKS, S3, RDS)** and **Swagger** to document **30+ RESTful APIs** for the Wealth Management app.
- Implemented **automated testing frameworks** for Revenue App reducing QA cycle time by 45% and improving code coverage to **90%**.

### 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.(B2B, PRISM SaaS).
- Optimized **Event driven architecture** of distributed systems for Alerts Application by **35%** through algorithmic and architectural refinements.
- Architected and implemented responsive web development Alerts app using **React, Material-UI, Java, Springboot, Hibernate** and **GCP**.
- Containerized Alerts microservices from on-prem to GCP infrastructure and automated CI/CD Github Actions 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, integration testing using **JUnit** and **Mockito**, achieving **90%** code coverage and reducing bugs by **65%**.
- Integrated **Sandbox** for Preprod environment and **Apache Kafka** for real-time analytics, increasing data processing throughput by 65%.

### Software Engineer I

NCR Voyix, Bangalore, IN

July 2019 - March 2021

- Engineered Alerts web application using **Java, Spring Boot, Hibernate, React, Cassandra** and **PostgreSQL** enhancing performance by 2.8x.
- Designed DB Schema and optimized **RDBMS Oracle Enterprise database queries** for Alerts module, reducing response time by **30%**.
- Developed Web services for Alert Preferences Module and resolved 30+ critical bugs, following **Behavior Driven Development**.
- Implemented automated testing strategy for Alert Preferences Module achieving **86%** code coverage and deployed using **Jenkins**.
- Handled **30+** security vulnerabilities on **WhiteSource** and achieved 1.7x increase in product efficiency & reduced errors by 15%.
- Resolved **20+** JIRA production issue **tracking** tickets and participated in 24/7 on-call rotation debugging production systems.

## EDUCATION

Illinois Institute of Technology, Chicago, US

January 2023 - December 2024

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

Pes Institute of Technology, Bangalore, IN

June 2015 - June 2019

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

## SKILLS

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

**Tools & Technologies:** Maven, Gradle, Git, LLMs, JIRA, Confluence, Github, Machine learning, ServiceNow, Jenkins, MySQL, PostgreSQL.

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

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

**Miscellaneous:** OOPs, ci/cd, Docker, UI, Lambda, Linux OS, JSON, XML, QA, Kanban, Full stack development, LLMs, Microservices Architecture.

**Leadership:** Technical Documents, Data Visualization, System Design, Relational Database design, Algorithms, Software Engineering.

## PROJECTS

### Insurance Application

August 2024 - October 2024

- Built a resilient insurance web app using **React, Springboot** and **Node.js** to generate personalized auto and health quotes.
- Implemented fault-tolerant **microservices architecture** with circuit breakers, achieving **99.9%** uptime and **120ms** response times.

### Ecommerce Application

June 2024 - September 2024

- Designed a robust Ecommerce platform using React, Typescript 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.

### Snackbar Application

July 2024 - November 2024

- Developed an **AI-powered Snackbar** integrating **Generative AI LLMs** for personalized menu, resulting in 40% increase in average order value.
- Built real-time order tracking system with WebSocket for live updates, managing 5k+ daily orders with end-to-end request tracing.