

ATUL SINGH

Bengaluru, India

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PROFESSIONAL SUMMARY

Specialist Programmer with 3 years of hands-on experience developing scalable software solutions. Skilled in **Java**, **Spring Boot**, **Microservices**, and **cloud technologies**, consistently delivering optimized and efficient systems.

EDUCATION

Bachelor of Engineering in Computer Science, Chandigarh University
Punjab, India

July 2016 – May 2020

SKILLS

Languages	Java, Python, Groovy, SQL, HTML, CSS
Cloud	Google Cloud Platform (GCP), Microservices, RESTful API
Frameworks	Spring Boot, Angular 12
Databases	PostgreSQL, MySQL
Tools	CI/CD, JUnit, Apigee, Git, SendGrid, Gradle, Maven

EXPERIENCE

Lead Specialist Programmer
Infosys

Oct 2023 – Present
Bengaluru, India

- Developed a highly secure and scalable payment processing system utilizing **Java**, **Spring Boot**, **MySQL**, and **Angular**, ensuring optimal performance and system reliability.
- Integrated APIs created for payment processing into the application, ensuring seamless communication between the front-end and back-end, leveraging **Angular** for dynamic user interfaces.
- Utilized **Google Cloud Platform (GCP)** services like **BigQuery** for real-time transaction data analytics, and **IAM (Identity and Access Management)** for securing access and managing permissions effectively across the application.
- Employed **Kafka** for real-time streaming of transaction data, ensuring high throughput and low-latency data processing, enabling the system to handle large volumes of transactions efficiently.
- Architected and maintained robust **CI/CD pipelines using Jenkins**, streamlining deployment processes and enabling seamless continuous integration for regular updates and maintenance.
- Leveraged **GitHub Copilot** for code assistance, speeding up development, ensuring code quality, and improving productivity during application development.
- Utilized **GitHub** for version control and collaboration, ensuring smooth integration and deployment processes.
- Deployed the application using **Kubernetes** for container orchestration, ensuring scalability, fault tolerance, and efficient resource management.
- Used **Google Cloud Run** for deploying and managing containerized applications, ensuring seamless scalability and automated management of application instances.

Software Engineer (Java Backend Developer)
Infosys

Jun 2022 – Oct 2023
Bengaluru, India

- Led the transformation of a monolithic application to a **microservices**-based architecture using **Spring Boot**, meaningfully enhancing scalability and system flexibility.

- Integrated **SendGrid** for automated email notifications, ensuring reliable delivery of transactional and promotional emails to users.
- Utilized **Apigee** for API management, enabling efficient API monitoring, security, and traffic routing to support microservices-based communication between systems.
- Utilized **Google Cloud Platform (GCP)** to orchestrate deployment, integrating **Pub/Sub** for streamlined messaging, ensuring seamless communication and consistent system performance across services.
- Implemented advanced monitoring and logging frameworks, bolstering system observability and enabling swift identification and resolution of issues.

Software Engineer (Java Developer)

Jan 2020 – May 2020

Cognizant

Pune, India

- Developed an **image-sharing application** similar to Pinterest, where users can post pictures/videos, follow friends, and engage with content.
- Built individual **microservices** for each entity, using **Angular** for the frontend and **Java microservices** for backend development.
- Implemented **service discovery** using **Consul** for dynamic service registration and seamless inter-service communication.
- Enabled features like infinite scrolling, notifications, and messaging for enhanced user experience.

CERTIFICATIONS

- Infosys Certified Java Programmer
- Infosys Certified Spring Boot Developer
- DP-900 - Microsoft Azure Data Fundamentals
- Infosys Google Associate Cloud Engineer
- Infosys Certified Data Analyst on GCP
- Infosys Global Agile Developer Certification
- Infosys Certified Business Intelligence Associate