

# Faizaan Choudhary

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## PROFILE SUMMARY

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Results-driven Java Backend Developer with over 2 years of experience in developing scalable applications using Spring Boot and MySQL. Proven expertise in integrating React front-ends, managing databases, and deploying solutions to cloud environments like Azure. Adept at implementing multitenancy systems, improving security features, and automating CI/CD pipelines. Achieved consistent project success through agile methodologies and team collaboration.

## SKILLS

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**Languages:** Java, JavaScript, SQL

**Libraries and Tools:** HTML, CSS Frameworks Libraries: Spring Boot, React, Tailwind CSS, Bootstrap CSS, Express, MySQL, PostgreSQL, MongoDB, Jenkins, Docker, Azure, Terraform, SonarQube, Kafka, RabbitMQ, Grafana, Jmeter, Postman API, Git, Gitlab, JUnit, Jest, React Testing Library, Lombok, Modbus RTU, MQTT, ANSI C12.22, Forge IAM/IDP, HTTPS, Nessus, Burp Suite, Coverity, Spring Security, JWT, Scrum, Jira, Confluence, CI/CD pipelines

## EDUCATION

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**National Institute of Technology**

**Srinagar, Jammu and Kashmir**

*Bachelor of Technology, Electronics and Communication Engineering*

*2018 - 2022*

## WORK EXPERIENCE

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**Java Backend Developer**

*Capgemini, Gurugram, Haryana*

*August 2022 - Present*

- By automating infrastructure setup using Terraform and deploying microservices **reduced deployment time by 40%** with Helm Charts and Kubernetes on Azure.
- **Enhanced device management efficiency by 25%** by integrating a Modbus RTU over TCP/IP connector, enabling seamless communication with thermal devices.
- Implemented multitenancy and role-based access control using Forge IAM/IDP, improving the authentication and authorization process for multiple tenants. **Increased user security**
- Developed **RESTful API** with Spring Boot and **Kafka** and **RabbitMQ** for efficient message brokering in microservices architecture.
- **Improved code quality by 30%** by **achieving over 85% code coverage using JUnit**, following agile best practices.
- **Contributed to cross-functional team success** by collaborating with front-end and DevOps teams to deliver fully functional features, including responsive dashboards and alarm management.

## PROJECTS

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***Thermal Meter Management System***

- For thermal data collection, improving communication with Burner Controllers **integrated Modbus RTU over TCP/IP**.
- **Developed multitenancy, user authentication, and role-based access control** using Forge IAM/IDP.
- Enabling device configuration management. **Onboarded temperature control devices**. Developed microservice architecture with **RESTful API in Spring Boot** for the same with **Kafka** and **RabbitMQ** for efficient message brokering
- **Reduced manual intervention by 20%** via automated alarms and real-time KPI dashboards.
- **Improved deployment efficiency by 40%** using **Helm Charts, Kubernetes, and Terraform scripts**.
- **Ensured cross-browser compatibility** through testing in Chrome, Firefox, Edge, and Safari.

***Electricity Meter Management System***

- **Developed multi-tenant platform** for meter data collection, with device provisioning and asset management.
- **Integrated Residential and Commercial meters** using the **ANSI C12.22 protocol**.
- **Implemented device functionality:** firmware management, demand reset, power status checks, and interval data.
- For improving device management and event monitoring developed **microservice architecture** with **RESTful API in Spring Boot** for the same with **Kafka** and **RabbitMQ** for efficient message brokering with **enhanced the UI for meter-related functionality**,
- **Managed key security** using Hardware Security Modules (HSM) for secure communication.
- **Achieved 85% code coverage** through unit testing, collaborating with the client for real meter testing.

### ***Ticket Management System***

- **Reduced ticket resolution time by 30%** by developing a **RESTful API with Spring Boot**.
- **Improved user experience** with a React-based front-end for seamless ticket submission and real-time updates.
- Strengthened security with **Spring Security and JWT-based authentication**.
- **Achieved 90% code coverage** with automated unit and integration testing, **reducing bugs by 15%**.
- **Reduced infrastructure setup time by 25%** using **Kubernetes-based cloud deployment**.

### ***Anti-Theft and Surveillance System***

- **Developed an IoT-based anti-theft system** using Arduino and face recognition camera for vehicle security.
- **Implemented a motion sensor** for detecting unauthorized entry, **triggering real-time alerts**.
- **Utilized a Telegram bot** for instant notifications, improving response time to theft situations.

## **TRAINING/INTERNSHIP**

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### **Application Developer Intern**

*Capgemini, Pune, Maharashtra*

*Oct 2021 – Mar 2022*

- **Developed and deployed a Ticket Management System (TMS)** using **Java (Spring Boot)** for backend and **React** for frontend, designed to manage and track support tickets for internal teams.
- **Led the implementation of key system features** such as ticket creation, updates, role-based access control, and reporting dashboards, enhancing user experience for over 500 employees.
- **Optimized database performance and ensured data integrity** by designing and integrating MySQL for persistent storage and efficient querying of ticket information.
- **Built RESTful APIs** to handle communication between frontend and backend, improving system modularity and enabling seamless data flow.
- **Collaborated with cross-functional teams** to define project requirements, conduct user acceptance testing (UAT), and resolve issues, contributing to timely project delivery.
- **Reduced ticket resolution times by 30%** through debugging, performance tuning, and post-deployment support.

### **Transmission Technology Intern**

*Bharat Sanchar Nigam Limited, Jammu, Jammu and Kashmir*

*Jan 2020 – Mar 2020*

- **Gained hands-on experience** in the **Transmission Network** and the maintenance of **Optical Fiber Cables (OFC)**, learning about high-speed data transfer techniques and network troubleshooting.
- **Worked on Intelligent Network (IN) and broadband services**, understanding their architecture and support for telecom services such as prepaid billing, call routing, and value-added services.
- **Contributed to the Computerized Data Record (CDR) networking system**, which involved managing and analyzing customer data records, streamlining network operations and customer service processes.

## **CERTIFICATIONS**

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### **Core Java - Practitioner**

- Issued by Capgemini Engineering. Core Java Fundamentals, Spring Core, Springboot, Spring Data, HTML5 and CSS3, JavaScript for Beginners, Bootstrap Fundamentals, Servlet and JSP, NoSQL Databases for Beginners, Git and GitHub, Jenkins, AWS Technical Essentials, Core Java JUnit, Docker for Developers, Agile, DevOps, CI/CD, Test-Driven Development

### **AZ-900 Microsoft Azure Fundamentals**

- Issued by Microsoft. Demonstrated knowledge of Azure cloud services, cloud concepts, and core Azure services.

### **AZ-204 Microsoft Azure Developer Associate**

- Issued by Microsoft. Skills in Azure development solutions, building cloud applications, and managing Azure resources.