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Summary

Backend Developer with 2+ years of experience in designing and optimizing Spring Boot microservices, REST APIs, and MySQL databases. Skilled in integrating backend systems with React/Angular frontends and implementing security best practices. Adept at Agile delivery, with proven success in improving system performance and scalability.

Professional Experience

Tata Consultancy Services (TCS) — Developer

Kochi, India | Jan 2023 – Present

- Built and optimized Spring Boot microservices in Java for enterprise-grade systems, improving API response times by 25% and handling 10K+ daily API requests.
- Designed and deployed secure REST APIs with JWT/OAuth2 authentication, reducing unauthorized access incidents by 30%.
- Integrated backend services with React and Angular applications, ensuring seamless data flow and reducing frontend-backend defects by 20%.
- Enhanced MySQL database performance with query optimization and indexing, cutting query execution times by 40%.
- Delivered 100% of sprint commitments in Agile teams through active participation in sprint planning, daily stand-ups, and retrospectives.

Tata Consultancy Services (TCS) — Intern

Kochi, India | Jul 2022 – Dec 2022

- Developed backend modules in Java + Spring Boot, gaining hands-on experience in microservices architecture.
- Built and tested REST API endpoints for CRUD operations, improving data retrieval efficiency by 15%.
- Assisted in frontend integration with Angular, reducing API call failures by 10%.
- Participated in code reviews, testing, and documentation, ensuring 95% defect-free delivery in assigned modules.

Projects

- Automatic Helmet Detection – Object detection model using YOLO + OpenCV for traffic safety.
- Student Management System – Django-based web app deployed at ICREP, CUSAT.
- Blood Bank Web App – Django + Bootstrap platform to manage emergency blood donor database.

Education

B.E. in Computer Science – Cochin University of Science and Technology (CUSAT)

2019 – 2023 | CGPA: 9.01/10

Technical Skills

- Programming Languages: Java, Python, JavaScript, HTML, CSS, C
- Frameworks & Libraries: Spring Boot, React, Angular, Django
- Databases: MySQL (optimization), MongoDB
- Tools & IDEs: Git, Postman, IntelliJ, Eclipse, Maven
- Backend Expertise: REST API design, Microservices architecture, Backend integration, JWT/OAuth2 Security
- Development Practices: Agile (Scrum), Code review processes, Problem solving

Certifications

- Architecting with Google Compute Engine – Coursera
- What is Data Science – IBM
- Spoken Tutorial (Python) – IIT Bombay
- Computer Vision Workshop – Shape AI (Microsoft & AWS)