Akshay C Kashyap

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TECHNICAL SKILLS

- **Programming:** Java, Python, C/C++, SQL, JavaScript, Dart
- **Frameworks:** Spring Boot, Express.js, Node.js, React, Flutter, gRPC
- **Cloud & DevOps:** AWS (EC2, S3, Lambda, RDS, CloudWatch, IAM), Kubernetes, Docker, Terraform, Serverless
- **Databases:** MySQL, Oracle SQL (query optimization, schema design)
- **Development Practices:** CI/CD, TDD, microservices, API security, Agile/Scrum
- **Tools:** GitHub Actions, GitLab CI/CD, Apache Kafka, Redis, Prometheus, IntelliJ, VS Code, PyCharm
- **Networking:** HTTPS, TCP/IP

EXPERIENCE AND PROJECTS

Software Engineer   April 2023 – Present
Tayana Mobility Technologies Private Limited   *Bangalore, Karnataka*

Cable & Wireless Seychelles – 4G and Broadband Project*(Major Telecommunications Provider in Seychelles)*

- Designed & deployed high-performance **Java microservices** with **99%** code quality in an **AWS cloud-native environment**, utilizing **EC2, RDS, and Lambda** for serverless computing.
- Optimized **MySQL** databases, reducing query execution time by **30%**, improving scalability and data retrieval speed.
- Implemented **Kafka-based event streaming** for real-time data processing, reducing system latency by **45%**.
- Developed automated monitoring dashboards using **Prometheus & Grafana**, reducing system downtime by **30%** through real-time anomaly detection.
- **Mentored junior developers** in **Spring Boot**, database optimization, and **CI/CD** best practices, enhancing team productivity.
- Collaborated with product managers and architects to define technical roadmaps and system improvements.

Bhutan Telecom – Self-Care Mobile Application Project*(Bhutan's Leading Telecommunications Provider)*

- **Led a team of 5 engineers** in designing a **scalable microservices** architecture for a major telecom provider.
- Established fully automated CI/CD pipelines using **GitLab & GitHub Actions**, reducing manual deployment time by **50%** and improving software release efficiency.
- Developed & maintained secure **REST APIs** using Spring Boot, **achieving 99.8%** uptime.
- Troubleshot performance bottlenecks to ensure high system responsiveness.

Cybersecurity Research- INTERN   2021-2022
Information Sharing and Analysis centre , SKILLSDA   *Bengaluru, KA*

- Launched a **cybersecurity awareness program,** increasing security knowledge by 40% among employees.
- Conducted security testing on Indian aerospace industry websites (Air India, IndiGo, SpiceJet), improving security posture by **50%**.
- Performed **penetration testing** against SQL Injection, Brute Force, and Cross-Site Scripting (XSS) vulnerabilities.

ACHIEVEMENTS

- **Vice-Chair, IEEE Student Branch** | Led 50+ members in organizing Tech Workshops & Hackathons.
- **Campus Ambassador, IEEE Xtreme 15.0** | Promoted global coding competitions & mentored students.
- Ranked **53rd** in a **National Capture The Flag (CTF) cybersecurity competition**, focusing on cryptography & ethical hacking.

EDUCATION

K S School of Engineering and Management   Bengaluru, KA
Bachelor of Engineering in Electronics and Communications   *Apr. 2018 – Aug. 2022*