

AJAY KUMAR

Bengaluru, India

+918433130068

akpanchal099@gmail.com

LinkedIn

Github

LeetCode

Portfolio

SUMMARY

Experienced software engineer skilled in developing scalable, cloud-native applications and distributed systems with a strong foundation in C, Python, Java, Spring Boot, AWS and microservices. Skilled in RESTful API design, database optimization, AWS, Docker, and automation for streamlined development and process improvements.

EXPERIENCE

Palo Alto Networks, Inc.

Aug 2022 – Present

Staff Software Engineer

Bengaluru, India

- Led the development and deployment of RESTful and SDK APIs within a microservices architecture, improving system scalability and reducing response time by 25%.
- Architected automated IPSEC tunnels for secure hub-to-hub connectivity across distributed data centers, leveraging cloud-based infrastructure and containerized solutions with Docker.
- Developed and maintained multi-VRF network segmentation on PAN-OS SD-WAN, improving compliance with regulatory standards and enhancing system security.
- Designed robust database schemas and optimized SQL and NoSQL queries for scalable, high-performance applications, decreasing data retrieval latency by 30%.
- Enhanced operational efficiency by optimizing the device license management API, leading to a 40% reduction in manual configuration time.
- Collaborated with cross-functional teams to integrate new features and ensure alignment with product goals and user needs.

Amazon India Pvt. Ltd.

Jan 2022 – Jun 2022

SDE Intern

Bengaluru, India

- Built an automated infrastructure to manage real-time SKU failure alerts, improving operational efficiency by 25% using AWS CloudWatch and Lambda.
- Enhanced system reliability by designing scalable API solutions for Amazon Smartconnect, integrating AWS services (Firehose, QuickSight) to streamline data visualization and reporting by 20%.
- Developed and implemented SQL-based analytics dashboards, enabling quick access to metrics and enhancing decision-making efficiency.

MAQ Software

Mar 2021 – Dec 2021

Associate Software Engineer

Mumbai, India

- Led Power BI dashboard projects, delivering critical data insights for multinational clients to optimize business decision-making.
- Spearheaded the migration of 10+ projects from Tableau to Power BI, reducing processing time by 40% through optimized SQL query design and data structure improvements.
- Coordinated with cross-functional teams to address client needs, achieving a 20% improvement in customer satisfaction through tailored reporting solutions.

EDUCATION

B.Tech in Computer Science and Engineering

Jul 2018 – Jun 2022

Lovely Professional University - LPU, Punjab, India

GPA: 8.04/10

SKILLS

Java, Spring Boot, Python, C++, HTML/CSS/JavaScript, MySQL, MongoDB, AWS (EC2, S3, Lambda, CloudWatch), Docker, Microservices Architecture, RESTful APIs, OOPs principles, Distributed Systems, Git, CI/CD pipelines