

DEEPAK KUMAR CH

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PROFESSIONAL SUMMARY

Highly motivated individual with experience in developing and implementing software solutions. Proven expertise in developing, testing and debugging high performing software components with a keen eye for detail. Excellent problem-solving and communication skills and demonstrates a passion for learning and implementing new technologies.

SKILLS

Programming Languages: Java, Go/Golang, Python, TypeScript, JavaScript, SQL

Frameworks: Spring Boot, Spring Microservices, Angular, Flask, Gin, Apache Airflow

Cloud: Azure Functions, Azure Cosmos DB, Azure Key Vault, AWS S3, AWS Private CA

Tools and Others: Data Structures, Algorithms, Problem Solving, System design, Git, Docker, Kubernetes, TDD

EXPERIENCE

DigiCert Inc.

Mar 2023 – Present

Software Engineer

Bangalore

Part of **Trust Lifecycle Manager (TLM)** team which is one of the modules in DcOne/DigicertOne used for the discovery, management and automation of SSL certificates.

- Engineered **plugins** to integrate with third-party certificate authorities (CAs) such as **AWS Private CA** and **Azure Key Vault** using Java Spring Boot, enabling issuance, discovery and management of certificates within a unified platform.
- Utilized **object-oriented design** principles and various data structures and algorithms to develop high quality software components. Enhanced performance of AKV plugin to discover and list the certificates by **20%** using the concepts of **multi-threading**.
- Built several features in a scanner application (Agent) using **Go** to discover open IPs and ports, retrieve installed SSL certificates, and facilitate centralized certificate management.
- Implemented pre/post hook, SNI hook and agent cert delivery features for Agent in **Golang** on request that attracted and helped onboarding **10+** customers to our product with a client satisfaction rate over 80% increasing the revenue close to **\$3.5 million**.

Infosys Limited

June 2022 – Mar 2023

Specialist Programmer

Hyderabad

Contributed to the development and maintenance of the **e-Approval** service, a critical tool of Apple Inc. for internal approval of expense reports and purchase requests.

- Increased the code coverage of the project from **0% to >85%** by writing **unit tests** using **JUnit** and **Mockito** in Java which strengthened the code reliability and quality.
- Fixed several bugs in Spring boot microservices project that unblocked several issues of the users.

Infosys Limited

Nov 2020 – June 2022

Systems Engineer

Hyderabad

Worked for the client Uniper Energy to develop a platform known as **Future Modelling Platform (FMP)** to execute their Dockerized models and workflows on **Apache Airflow** deployed on an **Azure Kubernetes cluster**.

- Increased model execution throughput nearly by **75%** using xlwings (library in python). Developed 4-5 workflows using Apache airflow to schedule and auto-trigger the models at regular intervals.
- Assisted maintaining the platform with an availability rate over **99.9%** using the auto-scaling strategies available in AKS.
- Created several **Azure Functions** to orchestrate and monitor model execution on the platform. Leveraged **Cosmos DB (NoSQL)** for efficient storage of platform data. Integrated Azure Functions with an **Angular** UI to visualize model run statistics through interactive charts using Apex charts package.
- Helped creating CI/CD pipelines using **Azure DevOps** for streamlined project management.

EDUCATION

National Institute of Science and Technology

Aug 2016 – July 2020

Bachelors of Technology - Computer Science and Engineering

Berhampur, India

ACHIEVEMENTS

- Peak Global rank **6784** on Leetcode
- Solved **2000+** DSA problems on various online platforms
- Received **Infy insta award** twice at Infosys for my hard work and commitment at work.

PORTFOLIO AND PROFILE

- GitHub:** www.github.com/chdeepakkumar

- Leetcode:** www.leetcode.com/ChDeepakKumar