Deepakumar V U

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GitHub - *https://github.com/deepakumarvu*   **LinkedIn** - *https://www.linkedin.com/in/deepakumar-v-u-9ba220166*

Portfolio - *https://deepakumarvu.github.io/*

OBJECTIVE

Results-driven engineer with expertise in scalable cloud solutions, and Golang with a passion for product management. Eagerly seeking to leverage technical skills and leadership experience to drive innovation and success.

EDUCATION

B.E. Computer Engineering
Pune Institute of Computer Technology, Pune
August 2015 – June 2019
8.88 CGPA

EXPERIENCE

Senior Cloud Backend Engineer
Espressif Systems, Pune
(January 2024 - Current)

- Building Matter DAC Service, a managed PKI service for IoT Devices.

Cloud Backend Engineer
Espressif Systems, Pune
(July 2021 – December 2023)

- Lead the design and development of a **highly scalable cloud-based Matter PKI** product by Espressif and delivered the first iteration of the product within **8 weeks**.
- Designed and implemented numerous **highly scalable** and **cost-efficient** cloud **server-less architectures** with a wide range of AWS services. Features like group sharing, stats service, and time series DB for IoT nodes.
- Introduced request batching to reduce request **execution time** by **20%** and **costs** by **30%**.
- Implemented various optimizations like **dependency management** to **eradicate** production build **errors**, dependency **vulnerability screening** and setup Gitlab pipeline for merge requests.
- **Mentored** junior team members.

Associate Cloud Engineer
Espressif Systems, Pune
(Dec 2020 – June 2021)

- Worked extensively in Golang to develop numerous **features** for RainMaker.
- Identified and promptly fixed a **platinum level** privilege escalation **vulnerability** in RainMaker.
- Discovered various tools for the team to ease the development.

Software developer
UBS, Pune
(July 2019 – Nov 2020)

- Worked extensively in R to process inputs necessary for **risk simulation models**.
- Integrated **DevOps** into our product deployments using Teamcity and Puppet to **reduce deployment time** by **50%** and issues by **90%**.

- Developed R package to extensively **log errors for parallel execution,** which aided in cutting the time spent debugging by **80%**.

POSITIONS

Vice Chair
Connectivity Standards Alliance
(October 2023 – Present)
- Acting as a Vice Chair of Security Design Tiger Team.

SKILLS

- **Programming Languages** - Golang, Python.
- **DBMS** - DynamoDB, TimeStreamDB, Athena, MySQL.
- **Environments** - Mac OS, Linux and Windows.
- **DevOps** - Jenkins, TeamCity, Puppet.
- **AWS** - Lambda, SQS, SNS, API Gateway, Cognito, S3, CloudFront, ECS, CloudWatch, WAF, IoT Core, Kinesis Firehose, AWS Glue, AWS Batch Job, AWS Private CA, AWS Global Accelerator, SAR, SAM, Cloud Formation.

CERTIFICATIONS

AWS Certified Solutions Architect – Associate
Issued June 2022 - Expires June 2025

PROJECTS

Automated Glaucoma detection using CNN
- Detection of glaucoma which is one of the major cause of blindness using image processing and convocational neural network.
- The project was sponsored by **National Institute of Ophthalmology (NIO)**.