

# Deepakumar V U

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

## OBJECTIVE

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

## SUMMARY

Results-driven **engineer** with a dynamic background in crafting scalable, **AWS-powered solutions**, primarily using **Golang**. Passionately pursuing a fusion of technical acumen and product management enthusiasm. Adept in computer science fundamentals, **API development**, and **mentoring** fellow professionals.

Eagerly seeking avenues to channel technical prowess and leadership finesse into transformative **product innovation**. Thrives on new challenges, is poised to venture into the vibrant realm of **product management**, and is committed to orchestrating **impactful outcomes**.

## 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)

- Creating new products.

### **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.
- Introduced request batching to reduce request **execution time** by **20%** and **costs** by **30%**.
- Implemented **dependency management** in order to completely **eradicate** production build **errors**.
- Introduced package **vulnerability screening** for Golang packages by third parties and updated numerous vulnerable packages.
- **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)**.