Ashwin Gopalsamy

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SUMMARY

Growth-stage engineer, blogger and open-source contributor with over 3 years of experience in **distributed systems**, **cloud-native architecture** and **back-end development**. Specializing in designing and delivering scalable, resilient solutions for data intensive applications, I bring expertise in **Go, AWS, Kubernetes, Terraform**, and **Microservices**. Proficient in **system design** and **product development**, with a track record of building impactful financial products. Skilled at collaborating with cross-functional teams to achieve meaningful results and elevate engineering practices.

EXPERIENCE

Software Engineer, Solaris SE.   June 2022 **-** Present - Remote.

- Built the complete life-cycle of 'Credit Card Interest' product, from design to post-release, collaborating with internal teams and product owners, generating substantial revenue over **EUR 30M annually.**
- Owning 'Accounts Domain', with AWS, Kubernetes, Terraform that support over **20M transactions per day**.
- Pioneering end-to-end development of 'Savings Account' product, driving **significant revenue growth**.
- Engineering 100% cloud-native, event-sourced micro-services in Core-Banking system, achieving **99.999% uptime**.
- Contributing to on-call rotations, enhancing documentation, best practices, **improving the response times**.

Associate Software Engineer, Hexaware Technologies.   June 2021 **-** June 2022 - Remote.

- Contributed to the development of enterprise-level distributed applications, implementing solutions that improved system performance.
- Worked on deploying a Cloud HRMS product for a major automotive client, ensuring seamless operation and user experience for over 75K employees within a system valued at USD 1.5B.

Intern, Microsoft.   4 months - Remote.

- Developed features for an open-source project, 'Bud.ai - Student Twin,' using Microsoft Azure Cloud and GitHub as part of the 'Future Ready Talent' program, enhancing the project's reach and adoption.
- Improved project documentation and onboarding materials, making it easier for future contributors to get started and contributed effectively with project timelines met ahead of schedule.

SKILLS

- **Languages:** Advanced in **Go (Golang)**, Familiar with **Python**, **Javascript**.
- **Cloud & DevOps:** Proficient with **AWS**, **Kubernetes**, **Terraform**, **Docker**, **Grafana**, **Prometheus**, **Concourse CI/CD**.
- **System Design & Architecture:** Skilled in **Microservices**, **Event-Sourced Architecture**, **Distributed Systems**.
- **Databases:** Extensive experience with **PostgreSQL**, **MariaDB**, **DynamoDB**, **Athena**.
- **Tools & Frameworks:** Knowledgeable in **REST**, **gRPC**, **Jira**, **Confluence**.

EDUCATION

Hindusthan College of Engineering and Technology (Anna University).   *August 2017 - May 2021.*

Bachelor of Technology in Information Technology.   *CGPA: 8.3/10.0*

- Achieved #1 Ranking in Skillrack Coding Competitions for 10 consecutive weeks (C++, Java, Python).
- Reinvigorated the Google Developer Student Club & HiCET Developer Club, leading multiple initiatives.

RESEARCH PUBLICATION

Intelligent Traffic Management System using Machine Learning | *Published in Springer*

CERTIFICATIONS

AWS Certified: Solutions Architect Associate | *Amazon Web Services*

AWS Certified: Cloud Practitioner | *Amazon Web Services*

Microsoft Azure Cloud: 3x Certified | *Microsoft Azure*