Ashwin Gopalsamy

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SUMMARY

Product-first engineer, blogger and open-source contributor with around 4 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.

WORK EXPERIENCE

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

- Engineered the complete lifecycle 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 stack supporting over **20M transactions per day**.
- Engineering 100% cloud-native, event-sourced micro-services in Core-Banking system, achieving **99.999% uptime**.
- Pioneering end-to-end development of 'Savings Account' product, driving **significant revenue growth**.
- Contributing to on-call rotations, observability, enhancing run-books that improved the **incident 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 and contributed effectively with project timelines met ahead of schedule.
- 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.

SKILLS

- **Languages:** Advanced in **Go (Golang)**, with working knowledge in **Python**, **Javascript**.
- **Cloud & DevOps:** Proficient with **AWS**, **Kubernetes**, **Terraform**, **Docker**, **Grafana**, **Prometheus**, **Concourse CI/CD**.
- **System Design & Architecture:** Skilled in **microservices**, **event-sourced architecture** and **distributed systems**.
- **Databases:** Extensive experience with **PostgreSQL**, **MariaDB**, **DynamoDB**, **Athena** and **Snowflake**.
- **Tools & Frameworks:** Advanced knowledge in **REST**, **gRPC**, **Jira**, **Confluence**, **Miro**, **Cycode**, **Sentry** and **Egnyte**.

EDUCATION

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

Bachelors in Computer Science and Information Technology   *CGPA: 8.3/10.0*

- Graduated 'First Class with Distinction', completing coursework in **Data Structures and Algorithms**, **Design and Analysis of Algorithms**, **Artificial Intelligence**, **Database Management Systems**, **Operating System**, **Computer Networks**, **Software Engineering** and **Cybersecurity**.
- Ranked #1 in coding competitions and revitalized student and developer clubs, leading key 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*