

Ashwin Gopalsamy

Engineer. Open Source Contributor. Research Scholar.

To know more about me, please tap the links below.

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SUMMARY

A language-agnostic software solutions architect with over **3 years of experience** in **Backend Development** using **Go, Cloud & Distributed Systems**. A blogger, community builder and open-source contributor, adaptable and eager to take on engineering challenges that require strong problem-solving and willingness to learn.

EXPERIENCE

Solaris Group | Professional Engineer, Core Banking | June, 2022 - Present.

- Pioneering the end-to-end development of the 'Savings Account' product, having the complete responsibility, translating into significant revenue and a tangible impact on the company's overall growth.
- Owning the comprehensive lifecycle of the 'Credit Card Interest' product, from initial design to post-release support, fostering collaboration with internal teams, guilds and product owners to meet high-quality standards.
- Architecting, designing and implementing robust and scalable cloud-native, event-sourced, microservices systems in the Core-Banking Unit, ensuring resilience and distributed functionality.
- Participating in on-call rotations, demonstrating a commitment to excellence by taking ownership of product builds, timely delivery, clear documentation, and adherence to best practices in a fast-paced, agile environment.

Hexaware Technologies | Associate Software Engineer | 13 months.

- Worked on the development of enterprise-level distributed applications on the cloud, specifically for an internal ground-up Cloud HRMS project and catering to an \$115 million worth Automotive Manufacturing client.

Microsoft | Intern | 4 months.

- Developed an open-source project over a 4-month span, utilising Microsoft Azure Cloud Services, GitHub as a key participant in Microsoft's FutureReadyTalent Internship Program.

SKILLS

- Strong **Distributed Systems, Microservices and Cloud Native Architecture** knowledge.
 - **Languages:** Golang (Go Programming Language), Python, JavaScript.
 - **Frameworks :** Go, React, Node.
 - **Cloud & DevOps :** AWS, Docker, Kubernetes, Terraform, Grafana, Prometheus, Jira, Concourse.
 - **Databases & Others:** DynamoDB, PostgreSQL, MariaDB, Aurora, Kafka, gRPC, REST, Linux, Confluence.
- and the ability to analyse, use critical thinking and decide when and where to apply the which skills.

EDUCATION

B.Tech Information Technology | CGPA : 8.3

- **Hindusthan College of Engineering and Technology, 2017 - 2021.**
 - Ranked as #1 Coder in Skillrack Coding Competitions continuously for 10 weeks. (Language: C++, Java)
 - Revitalized Google Developer Student Club & HiCET Developer Club. Handled multiple roles with enthusiasm. and co-ordination within teams. Recognized "Notable Alumni" of 2021 B.Tech - IT Batch.

CERTIFICATIONS

1. AWS Certified: 2x (Solutions Architect Associate)
2. Microsoft Azure Cloud: 3x Certified
3. Distinction with Merit in Cambridge University Business English Examination.

LANGUAGES

Read, Write, Speak **English, German, Tamil**

RESEARCH PUBLICATION

Intelligent Traffic Orchestration System using Machine Learning - (2020 - 2022)

- Authored and published my research paper in Machine Learning on Traffic Orchestration in Springer Publication.
- Leverages YOLOv3 Machine Learning Model to switch signal, thereby reducing traffic congestion.