

Akash T S M

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Objective

Aspiring **Software Engineer Intern** passionate about building **reliable, scalable, and secure cloud infrastructure**. Eager to contribute to **EA's Infrastructure & Platform Services (IPS)** by designing, implementing, and optimizing **backend systems**, enhancing **service reliability**, and **automating deployment pipelines** to power next-level interactive entertainment experiences.

Education

Vellore Institute of Technology (VIT) — *B.Tech in Computer Science*

2023 – 2027 | CGPA: **9.38 / 10**

Sunbeam Senior Secondary School — *CBSE (Class XII)* | 2021 – 2023 | **92%**

Bhagwan Mahaveer Dayaniketan Jain School — *CBSE (Class X)* | 2009 – 2021 | **93%**

Technical Skills

Programming: Java, Python, Scala, Kotlin, C++

Cloud Technologies: AWS, Google Cloud Platform, Azure

Databases: MySQL, PostgreSQL, MongoDB, Redis

Frameworks & Tools: Docker, Kubernetes, Terraform, Helm, Jenkins, Git, CI/CD

Web & APIs: REST, gRPC, Flask, Spring Boot, Node.js

OS & Networking: Linux/Unix, Bash, TCP/IP, Load Balancing, DNS

Other: NoSQL, Microservices Architecture, Infrastructure as Code, AI/ML (Basics), Security Best Practices

Projects

1. Cloud-Based Game Telemetry Platform (*Java, Spring Boot, AWS, Docker*)

- Designed and deployed a **scalable real-time data ingestion system** for player-facing telemetry using REST APIs and Kafka.
- Implemented **containerized microservices** on AWS ECS with **Terraform** for infrastructure as code.
- Improved system reliability by **25%** through load balancing and autoscaling groups.

2. Multiplayer Game Matchmaking Service (*Kotlin, gRPC, Redis, Kubernetes*)

- Built a **high-performance matchmaking API** supporting **10 000+ concurrent players** using gRPC for low-latency communication.
- Deployed on a **Kubernetes cluster** with **Helm charts** to simplify configuration and scaling.

3. Infrastructure Monitoring Dashboard (*Python, Flask, Prometheus, Grafana*)

- Developed an **internal monitoring tool** to track server health, network latency, and API performance metrics.
- Automated deployments using **CI/CD pipelines** and integrated **security scans** for container images.

Achievements & Certifications

- **AWS Academy Graduate – Cloud Foundations**
- **Google Cloud Cohort Program (2025)** – Hands-on training in cloud architecture, deployment, and scalable service management
- **IBM Cloud Essentials – IBM Skills Network**
- **Winner, Hack the Cloud 2024** – Built a scalable multiplayer backend using REST APIs and Redis
- **Top 5% in University DSA Hackathon** – Algorithm optimization and efficient data handling