

# Aswin Sagar

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## Experience

### **HCLTech**

Software Engineer

**Bengaluru**

June 2022 - Present

- Architected and implemented robust cloud infrastructure using Terraform on Google Cloud Platform, achieving full compliance with security protocols and reducing deployment time by 40%.
- Engineered CI/CD pipelines with Jenkins, Docker, and GitHub, cutting deployment times by 30% and boosting development efficiency.
- Designed and implemented a scalable microservices architecture using Java Spring Boot and RESTful APIs, improving system modularity and maintainability.
- Developed an intuitive invoice generation platform using Angular and TypeScript for the frontend, showcasing full-stack development capabilities.
- Drove team excellence by actively participating in code reviews and mentoring junior developers, resulting in a 45% improvement in code quality metrics and a 25% reduction in onboarding time for new team members.
- Collected user feedback and incorporated it into the development process, improving overall product quality and user experience, resulting in a 30% increase in user satisfaction ratings.

### **Nisarg Foundation**

Web Developer

**California**

Feb 2022 – June 2022

- Partnered with cross-functional teams to design 25 WordPress pages, boosting user engagement by 25% through strategic enhancements.
- Implemented version control using Git and utilized advanced Excel skills to maintain an organized codebase and streamline project tracking.
- Improved application performance by optimizing code and database queries, resulting in a 15% increase in application speed and enhancing the overall user experience.
- Created intuitive user interfaces and interactive prototypes using Figma and Adobe XD, reducing design-to-development time by 30%.

## Education

### **Bengaluru City University**

Bachelor of Computer Application

**Bengaluru**

Graduation Date: Oct 2021

## Project Experience

### **Full Stack Web Application Deployment - [GitHub](#)**

- Engineered a scalable 3-tier architecture leveraging React and Node.js, containerized using Docker and deployed on AWS ECS, achieving 50% faster deployment times by automating infrastructure provisioning with Terraform.
- Automated CI/CD pipeline using Jenkins to streamline development-to-deployment workflows, reducing manual intervention by 30%. Integrated AWS Elastic Load Balancer (ELB) for seamless frontend access and AWS ECR for secure container storage.
- Optimized cloud infrastructure setup with EC2 and Terraform, minimizing provisioning time by 40% and improving infrastructure reliability. Applied version control using GitHub, enabling continuous deployment and scaling.

## Skills & Interests

- **Cloud & DevOps:** GCP, Pivotal Cloud, Terraform, Docker, Jenkins, Git, GitHub, Nexus, SonarQube, Maven, NPM, Infrastructure as Code (IaC), EC2, ECS, ECR, ELB
- **Development:** JavaScript, Java, TypeScript, Angular, Git, WordPress, NodeJS, Express, Spring Boot, RESTful API, SQL, MySQL, NoSQL, MongoDB, JSON, YAML, Linux, Prompts, UI/UX
- **Interests:** Artificial Intelligence, GenAI Frameworks, Multi-Cloud, Serverless Architecture and Networking

## Certificates & Awards

- Google Cloud Platform (GCP) Master Class: [Udemy](#), [Coursera](#)
- MEAN Full-Stack Development and Application Deployment: [Simplilearn](#)
- DevOps Master Class 2024: Terraform Kubernetes Ansible Docker - (In Progress)
- GCP Associate Cloud Engineer - (In Progress)