GOKUL PRAKASH P

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Objective

Dedicated Senior Software Engineer with around 3 years of hands-on expertise in full-stack web technologies, multi-cloud platforms, and various DevOps tools. Experienced in building robust applications, as well as designing, implementing, and optimizing cloud infrastructure. Proficient in deploying scalable solutions and seamlessly integrating DevOps practices for enhanced efficiency and performance. Seeking a challenging role that allows me to apply my full-stack, cloud, and DevOps proficiency, contributing to the growth and success of the organization.

Professional Experience

- **Ernst and Young GDS, Chennai**   Feb 2021 - Present (3+ years)
  Senior Software Engineer
  - **Food Swipe -** An online food ordering web application comprising 5 microservices established using Spring Boot and MySQL. Involved in the backend team to implement essential REST APIs, JWT authentication, Spring state machine, and Kafka integration, while also creating Dockerfiles for containerization. Additionally, I conducted unit testing of the application using JUnit. As one of the presenters from the backend team, I successfully showcased the complete application workflow to the EY leadership team.
  - **Sustainability Enterprise Asset Management (SEAM)** - Developed an Asset Carbon Emissions Monitoring System using technologies such as React.js, Node.js, Loopback 4, and MySQL. This comprehensive project was directed from start to finish, encompassing design, development, testing, and deployment. The application was deployed in an OpenShift cluster within the IBM Cloud and automated through Tekton CI/CD pipelines streamlined the deployment process. I successfully showcased the completed system to clients within the given 10-month deadline.
  - **EY-IBM TechHub** - Engaged in the hybrid cloud team as part of the EY-IBM alliance, my responsibilities involve architecting customized IBM Cloud solutions and provisioning various IBM Cloud services. During interactions with numerous clients, I gained insights into their requirements and successfully orchestrated 10+ deployments of IBM products and containerized applications in OpenShift or virtual machines within the IBM Cloud, all tailored to meet specific client needs.
  - **The Home Depot (THD)** - Utilized Terraform for orchestration and efficiently maintained a diverse environment with 60+ VMs, including Sandbox, Dev, QA, Non-prod, and Prod environments, alongside other Azure services in the Azure cloud. Managed VM image creation, configuration, dependency installation, and automation through Azure DevOps CI/CD pipelines and Ansible. Administered IAM, monitoring systems, and took vulnerability elimination initiatives, ensuring a robust and secure technological infrastructure.

- **Freelancer**   Oct 2020 - Feb 2021 (5 months)
  Cloud and Backend Developer
  - **AyeVee** - Social media mobile app with 5L+ downloads. Developed a significant portion of the backend application entirely from scratch, utilizing Spring Boot and MySQL. Crafted APIs essential for both the mobile app and admin panel. Integrated Firebase for user management and authentication, alongside Zoom for live video features. Deployed the Spring Boot application on AWS Elastic Beanstalk, with the database hosted on AWS RDS. Utilized various AWS services including S3 bucket for video storage, AWS Lambda, AWS Elemental MediaConvert, and CloudWatch for video processing and scheduling.

- **Tactii, Canada**   July 2020 - Oct 2020 (4 months)
  Remote Intern
  - **Featurepreneur** - A web platform connecting clients with beginner ML and data scientists for analysis and micro predictions using client business data. Built with Flask and MongoDB, I led the backend team, constructing essential APIs from scratch and establishing a solid foundation for the backend application. Additionally, I effectively mentored the succeeding intern batch and conducted knowledge transfer sessions to ensure project continuity and sustainability.

Education

- **St. Joseph's College of Engineering, Chennai**   2021
  B.E., Computer Science and Engineering
  CGPA - 8.72

- **Shree Niketan Matriculation Higher Secondary School, Tiruvallur**   2017
  HSC
  96.25%

Technical Skills

- **Programming Languages** - Java, Python3, JavaScript, TypeScript, Shell Scripting
- **Web Frameworks** - Spring Boot, Node.js, Flask, React.js
- **Databases** - MySQL, MongoDB
- **Architectures and Integration** - Microservices, Design patterns, Kafka
- **Testing and Build Tools**- JUnit, Maven
- **Cloud Platforms** - AWS, Azure, GCP, IBM Cloud
- **Containerization and Orchestration** - Docker, Kubernetes, OpenShift
- **IaC and Configuration Management** - Terraform, Ansible
- **CI/CD and Version Control**: Azure Pipelines, Jenkins, Git
- **Operating Systems** - Linux, macOs, Windows

Certifications

- **Google** - Google Cloud Certified Associate Cloud Engineer
- **IBM** - IBM Certified Professional Architect - Cloud v5
- **IBM** - IBM Certified Technical Advocate - Cloud v3
- **Udemy** - Docker & Kubernetes: The Complete Practical Guide
- **Udemy** - The Complete 2024 Web Development Bootcamp
- **SoloLearn** - Java, Python3
- **Cambridge** - Cambridge English BEC Preliminary certification with grade B1

Achievements And Honours

- **EY Cloud Silver Badge** achieved by showcasing my expertise and works in the cloud domain.
- **Honored as Star Performer** while working in the Cognizant Student Club.
- **Secured 1st place** at Smart India Hackathon 2019 by solving a Yamaha problem statement.
- **Secured 1st place** in the code challenge event at the Intra-Department Symposium 2019.

Area Of Interests

- Full Stack Web Development
- Cloud Computing
- DevOps

Languages Known

- English
- Tamil (Native)
- Hindi