

Pavan Samarth Vittal Bele Gururaja

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WORK EXPERIENCE

KPMG Global Services

Bangalore, India

Cloud Software Engineer

Aug 2021 – July 2024

- Collaborated with cross-functional teams to design, code, and test high-performance web applications, following best practices for scalable software solutions, reducing **data processing time by 30%**.
- Innovated by updating Terraform modules to eliminate deprecated resources, reducing **resource conflicts by 40%**. Designed & implemented cost alerts for Azure resources via Terraform, achieving a **20% cost reduction**.
- Developed and optimized the KPMG RECRUITOPS recruitment analytics platform, enabling real-time tracking of hiring data. Engineered a dynamic analytics dashboard, integrating real-time data visualization, which improved decision-making efficiency for recruiters by 25%.
- Streamlined backend APIs for handling large-scale recruiting data, ensuring high performance and scalability using Python and RESTful services.

MachineMaze

Bangalore, India

Software Development Intern

Apr 2021 – Aug 2021

- Built a responsive User Interface for customers and partners, **increasing user activity by over 50%**.
- Conducted thorough testing and validation of data-driven algorithms to ensure high performance and reliability, vendor and increasing client selection efficiency by **40% percent**.
- Resolved critical customer issues through clear, consistent communication, resulting in a **40% reduction** in support ticket volume and significantly enhancing customer satisfaction.
- Orchestrated the migration of CI/CD pipelines from Jenkins to GitHub Actions, automating workflows for branching, deployment, and secret management across environments.

EDUCATION

Arizona State University *MS, Software Engineering*

Aug 2024 – Present

Relevant Coursework: *Advanced Software Engineering, Semantic Web Engineering, Advanced Algorithms.*

Visvesvaraya Technological University *B.Tech, Computer Science*

Aug 2017 – May 2021

Relevant Coursework: *Object-Oriented Programming, Data Structures and Algorithms, Operating Systems, Databases.*

SKILLS

Programming Languages: Java, Python, JavaScript, TypeScript, Node.js, MySQL, IaC

Programming Languages: SpringBoot, Node.js, React

DevOps: Azure, AWS, CI/CD, Git, Terraform

PROJECTS

Card Game Based Scrum Simulator

August 2024 – November 2024

- Created a card game based scrum simulator using JAVA, Swing and Spring by following scrum methodologies.
- Introduced blocker and progress cards and their randomized selection, enhancing stand-up simulations to mirror real-world scenarios effectively. Automated Scrum Master responses based on developer availability.
- Developed a feature to download Scrum data by sprints, fostering in-depth data analysis and retrospective insights.

Azure Cloud Infrastructure Project

Apr 2023 – Aug 2023

- Configured Azure Cloud resources using Terraform, including 8 instances across 3 environments. **Developed 8+ app services, 3 VM's and gateways for improved governance and efficiency.**
- Managed 4+ SQL Servers, subnets, and NSG rules, effectively processing **over 1TB of data** for a market client, resulting in a **25% improvement in data retrieval speed and server downtime.**

Semantic Web Engineering Project

Aug 2024 – Dec 2024

- Developed a semantic web application leveraging CIDOC CRM, RDF, and SPARQL, integrating Google APIs to fetch real-time metadata for **over 10,000 artworks from global museum datasets, achieving 98% accuracy in data retrieval.**
- Designed a responsive frontend using React.js and a Flask backend, reducing query response times by **40% through efficient SPARQL query optimization and modular API design**