Hema Mutyala

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CERTIFICATE

- **Hashicorp Terraform Associate 003**

- **Site Reliability Engineering: Measuring and Managing by Google Cloud**

AWARDS AND RECOGNITIONS

- **Keynote Speaker**: Delivered engaging keynote on cloud tech, women in tech careers at De Anza College in California
- **VMware at its Best Award**: Solely managed team responsibilities during a critical period when the entire four-member team was unavailable, ensuring project continuity, reliability, scalability and customer onboarding.
- **SJSU**: Recognized for exceptional contributions to university diversity and housing initiatives and representation.
- **SJSU**: Received recognition for contributions to the global Spartan community, demonstrating dedication and impact.
- **Hackathon 1 - 25th place**: Developed a Terraform provider and acquired over 2000 satisfied customers in VMWare
- **Hackathon 2 - 26th place**: Developed a service catalog to critical streamline incident management processes

EXPERIENCE

- **Broadcom Inc.** — Palo Alto, CA
  Senior Member of Technical staff — *Feb 2021 - Aug 2024*
  - **Developer Experience Enhancement**: Developed developers test application, reducing developers' time by **1,152 hours** per week per team. Streamlined development processes and increased productivity and reliability.
  - **Capacity Planning and Cost Savings**: Conducted detailed capacity planning, saving **$700,000** across production and staging environments. Optimized resource allocation for improved efficiency and cost-effectiveness.
  - **Strengthened Enterprise Application with Vault**: Implemented centralized vault system to optimize data control, access, and privacy across all VMWare teams. Resulted in improved governance and security for **16 teams**. Planned for disaster recovery using through periodic backup and monitoring accordingly.
  - **Cloud Product Evaluation**: Conducted comprehensive evaluations of various products to determine their suitability for migration to cloud infrastructure. Made informed decisions to optimize cloud adoption strategies.

- **Personalis Inc.** — Palo Alto, CA
  Member of Technical staff — *Feb 2020 - Aug 2020*
  - **Strategic Partnership and Vision Alignment**: Demonstrated knowledge of company's mission, purpose, goals, and the ability to achieve them with a roadmap to internal teams and external partners (**Google SADA**).
  - **Infrastructure Migraation and Deployment**: Enhanced to orchestrate and migrate existing infrastructure environment to a private data center with **3000 CPU cores**. Designed and developed production-grade Kubernetes cluster for docker container orchestration of 24 Java microservices project completed **within 2 months**.
  - **Enhanced Application Architecture**: Revised the applications architecture which reduced the size of 11 dockers by **50% and performance by 25%**. Introduced Kafka and RabbitMQ and configured postgres and mongodb.
  - **Quality Assurance**: Assured code quality through Jacoco plugin in maven project and Jenkins. Created UAT test suites, documented process and unit tested 2 microservices with **80% of code coverage** using Junit 4.

- **SJSU** — San Jose, CA
  Teaching Assistant — *Sep 2019 - Dec 2019*
  - **Role**: Taught and assisted 120+ students on developing full stack applications using different web technologies.

- **NCR** — Hyderabad, India
  Software Development Engineer — *Jul. 2017 - Aug. 2018*
  - **Product Designing**: Collaborated with globally distributed teams and designed an application to monitor the usage and performance of ATMs. Collaborating Continuously with **partners Visa and MasterCard**
  - **Development of Consumer Services**: Developed Consumer Services Balance, Withdrawal, Cheque and Cash deposits etc., to run the ATM application in virtual machines which reduced development time by **3 months**.
  - **User Interface and Code Quality**: Developed **8 interactive screens for an ATM** software and introduced 3 new features of cash withdrawal in a test-driven development environment by ensuring the code quality through unit testing.

- **NSIC - Government of India** — Hyderabad, India
  Software Developer Intern — *Apr 2016 - Dec 2016*
  - **Project**: Developed online modelling of proactive moderation system for auction fraud detection using Java.

Education

- **San Jose State University** California, USA
  Masters in Computer Software Engineering (Cloud and Virtualization Specialization)

Programming Skills

- **Languages and Frameworks**: Linux, Java, Python, Objective C, C++, HTML5, CSS3, PHP, JavaScript, Angular JS, Node JS, `C#`, MySQL, RDBMS, Cassandra, MongoDB, design patterns, typescript, nest js, Junit, vault, kafka, zookeeper, data solr, SDLC, Bitbucket, Gitlab, Jenkins, JFrog, Prometheus, Grafana, Tableau, Terraform, Kubernetes, Ansible, disaster recovery, operating system virtualization, memory management, infrastructure-as-code, docker, virtual machines, ARM architecture, namespace virtualization, cloud computing, GCP, AWS - Microservices, EC2, ECS, CLI, load balancers, IAM roles, CI/CD, IAAS, SAAS, PAAS, TCP/IP, DNS, Jira and Confluence