PARTH PRAJAPATI

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Technical Skills

DevOps Skills: CICD , Automation, Monitoring, Cloud Computing, Orchestration
Programming & Scripting : Python, Bash, YAML, GitLab API, PowerShell
Other Skills: Technical Analysis, Troubleshooting, Impact Assessment

Experience/Projects

Tata Consultancy Services   **November 2021 – Present**
System Engineer   *Gandhinagar, India*

- **Conducted automated model testing** for **vehicle ECUs** within the **Advanced Driver Assistance Systems (ADAS)** domain, ensuring system reliability, safety, and compliance with automotive industry standards.
- **Collaborated directly with clients**, delivering real-time updates on CI/CD progress and enabling data-driven decision-making to support continuous process improvements.
- **Built and maintained CI/CD pipelines** using **GitLab CI/CD**, fully automating build, test, and deployment workflows, which led to a **70% reduction in manual effort**.
- **Streamlined testing and validation** by managing and integrating multiple software tools in the CI/CD environment, enabling faster, more efficient, and more reliable deployments.
- **Developed a YAML configuration tool** to allow dynamic YAML updates based on user input, significantly reducing manual intervention in pipeline configurations.
- **Created advanced scripts** to track **GitLab Runner utilization**, leveraging the **GitLab API** to improve visibility and resource tracking. This resulted in a **90% optimization** in data retrieval processes.
- **Developed automation scripts** to retrieve user activity data from **GitLab**, including project creation details, last access timestamps, and account status, enhancing user management.
- **Boosted CI/CD performance** by optimizing GitLab Runners, enabling **parallel job execution,** and better resource allocation, which significantly reduced pipeline execution times.
- **Automated GitLab data extraction** using API integrations, enabling real-time data visualization and performance tracking through **Grafana dashboards**.
- **Enhanced system observability** by establishing **custom alerts and monitoring dashboards** in Grafana, integrating logs and key metrics from GitLab, and improving the team's ability to respond to incidents.
- **Led the migration from GitLab to GitHub Actions**, gaining hands-on experience with **GitHub Actions workflows** and successfully setting up **self-hosted runners** for customized CI/CD workflows.

Alpha E Barcode Solutions Pvt. Ltd.   **October 2020 – September 2021**
Software Support Executive   *Ahmedabad, India*

- **Provided end-to-end support** for clients via **online ticketing systems**, ensuring timely resolution of technical issues and maintaining client satisfaction.
- **Managed and optimized client databases**, ensuring **data integrity, security, and performance**, which contributed to smoother application workflows.
- **Collaborated with clients** to understand their technical issues, troubleshoot problems, and deliver effective **software solutions** tailored to their needs.
- **Conducted root cause analysis** to resolve recurring issues, proactively addressing potential risks and minimizing downtime for clients.

Certification

- **AWS Cloud Practitioner**

Achievements

- **Received appreciation from client for developing Grafana Dashboard.**

Education

Gujarat Technological University   **April 2017 – May 2020**
Bachelor of Engineering in Computer Engineering   *Ahmedabad, Gujarat*