Pradyuman

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Education

National Institute of Technology(NIT), Hamirpur   2017 - 2021
Bachelor of Technology in Computer Science   *Hamirpur, HP*
- **Relevant Coursework:** Data Structure & Algorithms, OOPs, Operating System, Database Management Systems, Software Engineering

Experience

Middleware   Sept 2023 – Feb 2024
Senior Software Engineer   *Ahmedabad, Gujarat*
- Enhanced the Kubernetes monitoring agent architecture and crafted Helm charts to seamlessly integrate with a novel deployment strategy
- Engineered and meticulously upheld three product integrations, specifically centered around Clickhouse, Redpanda, and Cassandra.
- Implemented a GitHub workflow to automate the efficient creation and hosting of RPM packages as a remote Yum repository for our agent.

Gap Inc.   June 2021 - Sept 2023
Software Engineer   *Hyderabad, Telangana*
- Led POC for OpenTelemetry in AKS (Kubernetes) for collecting metrics, traces and logs from different sources.
- Migrated Naemon from RHEL to OEL, saving 24k Dollar per year.
- Ensuring that the team's owned tools remain up-to-date with security patch updates through the maintenance of Chef cookbooks

Projects

Restaurant Management System (Backend) | *Golang, MongoDB*   Personal Project
- Designed and implemented the backend of a feature-rich restaurant management system using Golang and MongoDB, ensuring seamless data storage, retrieval, and manipulation.
- Integrated a robust authentication mechanism to enhance system security, allowing only authorized access to sensitive restaurant data.

Kubernetes Monitoring Agent | *Golang, Kubernetes, Helm*   Middleware
- Seamlessly integrated the monitoring agent with new features and integrations introduced through the backend, demonstrating adaptability and collaborative development skills.
- Implemented a Helm chart to streamline the deployment process of the Kubernetes monitoring agent, providing a scalable and maintainable solution for managing deployments across various environments.
- Collaborated closely with the backend development team to ensure smooth integration of new features into the Kubernetes monitoring agent.

RHEL to OEL migration of Naemon Infrastructure | *Linux, Azure, Chef*   Gap Inc
- Executed comprehensive testing and validation procedures to mitigate potential risks, resulting in a seamless transition without compromising system stability or performance.
- Worked on optimizing the Naemon infrastructure for Oracle Linux, leveraging OS-specific features and optimizations to enhance overall system performance.
- Developed comprehensive documentation outlining the migration process, configurations, and troubleshooting procedures, enabling smooth knowledge transfer.

Technical Skills

Languages: Go, Python, C/C++, HTML/CSS, Bash.
Technologies: Kubernetes, Helm, Docker, Azure, AWS, Chef(IaC), Linux, Git, Github Actions, MongoDB, Splunk, Flask, OpenTelemetry, Clickhouse.
Concepts: Data Structure and Algorithm, Operating System, Cloud Computing, API, Observability, Agile Methodology.