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SUMMARY

Highly motivated Software Developer with 9+ years of experience leading and mentoring teams. Skilled in DevOps and Software Development, with a proven track record of delivering software faster, more reliably, and more securely. Strong communicator and educator with a passion for knowledge sharing

EXPERIENCE

Lead Consultant

Thoughtworks

📅 08/2022 - Present   📍 Singapore

- Led CI/CD pipeline optimization & migration of 100+ pipelines from Bamboo to GitLab (Pipeline as Code), achieving 70% build-to-deploy time reduction. Implemented integrations to adhere DevOpsSecurity & IM8 compliance.
- Led implementation of zero-downtime Kubernetes upgrades for 17 clusters along with Node Autoscaling and stablizing Horizontal Pod Autoscaling(HPA) and Pod Disruption Budget (PDB), saving 4+ hours of downtime and improving availability/efficiency.
- Established secure, HA HashiCorp Vault with automated unsealing & streamlined backups for disaster recovery, Leveraged GitLab OIDC for robust authorization & authentication.
- Enhanced security and efficiency: identified/fixed 2000+ vulnerabilities in container images, automated OS package upgrades for vulnerability patches via CI Pipelines.
- Reduced Azure cloud costs by $300k USD annually: optimized logging in 40+ microservices, minimized excess logs through introducing debug configurations.
- Successfully migrated 40+ Node.js services from Node.js v12.x to the long-term support (LTS) version v20.x. Additionally, streamlined the process for automating minor and patch version upgrades by integrating them into CI pipelines, enhancing development efficiency
- Initiated and anchored an India-wide workshop on DevOps, training over 1000+ developers in in Docker & Kubernetes best practices.

Senior Consultant

Thoughtworks

📅 08/2020 - 08/2022   📍 Chennai, India

- Led a team of five in the successful development and adoption of a feature that sends millions of push notifications to users via Azure Notification Hub.
- Spearheaded microservice architecture: split a monolith into 20+ smaller modules, streamlined package versioning/publishing with MonoRepo, integrated split libraries into 40+ microservices (production deployment).
- Proactively led a team of engineers in the maintenance and management of 17 Kubernetes clusters, ensuring the availability and performance of over 5000+ pods.
- Successfully upgraded crucial cloud components such as Kubernetes, Istio and Keycloak multiple times without any disruption.
- Optimized database performance and cost: migrated 30+ production databases to Azure Flexible Servers with minimal downtime.

Consultant

Thoughtworks

📅 07/2019 - 08/2020   📍 Chennai, India

- Migrated services and PostgreSQL databases from 5000+ VMs to Kubernetes clusters, saving the client $2 million USD annually. Anchored workshops to cultivate client developer knowledge.
- Developed a custom configuration management tool for managing environment-specific configurations (Dev, Prod, etc.). Leveraged HashiCorp Vault OIDC for robust authorization & authentication.
- Automated developer access management in Kubernetes with a self-service RBAC system built on Version Control (GitLab). Streamlined user permission handling & auditing.
- Developed a GoLang CLI tool for near-zero downtime 100+ PostgreSQL database migrations between Virtual Machines and Kubernetes.

EXPERIENCE

Software Engineer

ObjectFrontier Software (OFS)

📅 08/2018 - 07/2019   📍 Chennai, India

· Designed and developed a mobile application for employee management for a client. This application streamlined internal processes by automating attendance and report generation and improved accessibility for employees.

Software Developer

Revmakx Technologies

📅 03/2015 - 08/2018   📍 Chennai, India

· Spearheaded the development and ongoing maintenance of a self-hosted application for managing over 300,000 WordPress sites from a unified dashboard.
· Successfully developed and rolled out a feature to install InfiniteWP in different platforms, such as installing from a plugin, installing to cPanel, and manual installation.Successfully built a full-featured production WordPress plugin called WP Time Capsule from a proof of concept, to smartly backup WordPress sites in an incremental manner, specifically designed for large websites. The plugin later adopted by over 20,000 WordPress sites.
· Later, developed multiple features for the WP Time Capsule plugin in a short period of time, such as creating a staging site in a single click, incremental restores, and white labeling for agencies.

SKILLS

Programming & Databases

JavaScript   **Node.JS**   **Go**   **Shell Scripting**   **RDBMS**   **PostgreSQL**   **NoSQL**   **MongoDB**

Infrastructure

Docker   **Kubernetes**   **Infrastructure as Code**   **Terraform**   **Ansible**   **Helm Charts**   **Prometheus**

Grafana   **Pipeline As Code**   **CI/CD**   **DevSecOps**

Cloud Providers

Azure Cloud   **AWS**   **Google Cloud**

Additional Skills

Git   **GNU/Linux**   **Networking**   **Monorepo**   **Open Source Software**

Soft Skills

Stakeholder Management   **Mentoring & Coaching**   **Team Building**   **Team Leadership**

CERTIFICATIONS

Certified Kubernetes Administrator (CKA)

Cloud Native Computing Foundation (CNCF)

Certified Kubernetes Application Developer (CKAD)

Cloud Native Computing Foundation (CNCF)

Kubernetes and Cloud Native Associate (KCNA)

Cloud Native Computing Foundation (CNCF)

EDUCATION

Bachelors in Computer Science

Anna University

📅 2011 - 2015   📍 Chennai, India