

Arvind Chaturvedi

Senior Software Engineer

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🔗 Github Profile CV

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📄 PROFILE

I am a dedicated Cloud DevOps Engineer with a passion for Platform Engineering, automation, and leveraging emerging technologies. With extensive experience in cloud platforms like AWS, I design and implement scalable, resilient solutions tailored to modern infrastructure needs. I excel at optimizing cloud environments for performance and cost-efficiency, applying FinOps principles to ensure smart cloud financial management. I thrive on solving complex technical challenges, enabling seamless CI/CD pipelines. Staying at the forefront of cloud technologies is a key priority in my work.

🧰 PROFESSIONAL EXPERIENCE

GE Vernova ✎

Senior Software Engineer

05/2021 – present | Bengaluru

- Spearheaded the migration from a Cloud Foundry-based PaaS to a modern, scalable platform built on AWS EKS, improving operational efficiency and reducing infrastructure costs.
- Engineered complex Terraform modules to create a unified and scalable PaaS solution on AWS EKS, enabling efficient infrastructure provisioning and reducing manual configuration.
- Streamlined the deployment process, ensuring consistent and reusable infrastructure across multiple environments.
- Deployed and maintained Bosh Director, managing Bosh releases and configurations for efficient environment provisioning.
- Troubleshot complex installation, foundation, and application issues, ensuring platform stability and reliability.
- Mitigated multiple security vulnerabilities within the legacy Predix platform, ensuring compliance and system integrity.

British Telecom ✎

Software Engineer

11/2019 – 05/2021 | Bengaluru, India

- Installed, managed, and upgraded **Pivotal Cloud Foundry** across multiple versions (v2.1.x to v2.9.x) along with compatible service tiles on **AWS IaaS**, ensuring seamless application delivery on the platform.
- Deployed and maintained **Bosh Director**, efficiently managing Bosh releases and configurations for platform stability.
- Troubleshot installation, foundation, and application issues, ensuring smooth platform operations and quick resolutions.
- Performed full backup and restore of Bosh deployments using **BBR**, ensuring business continuity and disaster recovery.
- Demonstrated proficiency in **Infrastructure as Code (IAC)** with **Terraform** and used **Git**, **SVN**, and **Bitbucket** for version control and collaboration.
- Wrote and maintained **Bash** and **Python** scripts, automating tasks to improve platform efficiency and reduce manual interventions.
- Expertise in **CI/CD** tools like **Concourse**, **ArgoCD**, and **Jenkins**, with hands-on experience building and automating pipelines for streamlined deployment.
- Led the complete setup of **Concourse CI** servers to manage and target all foundations, automating the foundation upgrade process.

SKILLS

- AWS
- Pivotal Cloud Foundry
- Kubernetes
- Docker
- Terraform
- Python
- Bash Scripting
- ArgoCD
- VSphere

Synchrony Financials

AVP, Cloud Platform Engineer

10/2018 – 10/2019 | Hyderabad, India

- Managed **Pivotal Cloud Foundry (PCF)** administration, including installation and day-to-day operations across **AWS** and **vSphere IaaS** layers, focusing on application delivery, Bosh Director deployment, backup and restoration, and advanced troubleshooting of PCF foundations.
- Automated upgrade processes and daily operational tasks using **Concourse CI** and shell scripting, increasing operational efficiency and reducing manual effort.
- Implemented **Prometheus, Grafana**, and **Alertmanager** as Bosh releases for comprehensive monitoring of PCF foundations, enhancing platform observability.
- Created custom dashboards in **Splunk** and **New Relic** to monitor system and application performance, generating actionable alerts to ensure foundation stability.
- Effectively communicated business requirements and functional expectations to developers and key stakeholders, ensuring alignment and clear project execution.
- Promoted a culture of continuous improvement by coaching and mentoring team members, driving performance enhancements and skill development.
- Proactively resolved issues and provided strategic recommendations based on production data and compliance reports, ensuring platform reliability and adherence to standards.
- Collaborated with senior leadership to develop and implement strategic initiatives and long-term goals for organizational growth and innovation.
- Led recruitment efforts, successfully hiring and onboarding talented professionals to strengthen the management team and enhance overall organizational capability.

Cognizant Technology Solutions

Technical Lead


03/2014 – 10/2018 | Bengaluru, India

- Demonstrated strong **Pivotal Cloud Foundry (PCF) administration** skills, including installing PCF foundations on **AWS, Azure**, and **vSphere IaaS** layers, deploying BOSH Director, and managing application delivery, backups, restorations, upgrades, and advanced BOSH troubleshooting.
- Contributed to **technical and platform-related strategic planning**, offering insights to guide long-term initiatives.
- Organized and documented **system operating procedures**, enhancing operational controls and efficiency.
- Designed scalable support structures to ensure successful **application rollouts** across the platform.

- Enhanced infrastructure by adding new features, improving systems, and ensuring seamless application performance.
- Installed critical **system updates** to address vulnerabilities, bolstering platform security and compliance.
- Led technical initiatives for **large enterprise systems**, aligning with long-term business strategies and driving innovation.
- Improved user experience by enhancing **interfaces** for better functionality and usability.
- Guided teams through **CI/CD processes**, ensuring continuous integration and seamless delivery.
- Researched and implemented emerging technologies, continually adding value to existing offerings and improving platform capabilities.
- Administered **WebLogic Application Server** (11gR2 & 12c) and various **FMW components**, managing day-to-day operations to ensure seamless performance.
- Provided comprehensive **application maintenance**, including **server access provisioning, patch and service management**, and **user management** to maintain optimal functionality.
- Oversaw **disk and process management**, leveraging **shell scripting** to automate routine tasks and improve operational efficiency.
- Utilized **application monitoring tools** such as **AppDynamics, Splunk, and New Relic** to monitor system performance, troubleshoot issues, and ensure application stability.

EDUCATION

Bachelor of Engineering

Rajeev Gandhi Proudhyogiki Vishwavidyalaya 
06/2009 – 06/2013 | Bhopal, India