

PRANAV BHENDAWADE

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PROFESSIONAL EXPERIENCE

Activision Blizzard

June 2023 - September 2023

Software Engineer Intern, Linux Systems

Irvine, California

- Created a 'Dynamic Configuration Management System' to retrieve configuration data from multiple data sources such as GitHub repositories and API endpoints, resulting in a 40% increase in accuracy.
- Leveraged Docker Compose to containerize the application into micro-services such as the 'Document Generator Service' and 'Nginx Server', achieving a 75% reduction in deployment and scaling time.
- Designed and implemented Puppet and Terraform scripts to deploy the application on the OpenStack platform, leading to a 90% reduction in provisioning and configuration management time.
- Tech Stack:** Python, Bash Scripting, Docker, Puppet, Terraform, Nginx, OpenStack Private Cloud

Tata Consultancy Services

July 2019 - August 2022

Cloud Engineer

Bangalore, India

- Built microservices from scratch to migrate workflows of various processes of Transportation Management System (TMS) using the Python RESTful APIs to automate the manual functionalities in TMS by 70%.
- Orchestrated the deployment of containerized microservices using AWS Elastic Kubernetes Service, achieving a comprehensive 50% improvement across system scalability, reliability, and security metrics.
- Re-engineered the TMS CI/CD pipeline, leveraging Jenkins pipelines for end-to-end automation to result in a streamlined workflow and reduced downtime to below 1%.
- Enhanced system reliability by 45% through the establishment of observability for AWS cloud infrastructure to reduce MTTR, enable identification and resolution of potential issues.
- Automated key processes with Python and Bash scripts, boosting efficiency by 20% and building critical system components.
- Tech Stack:** Python, AWS (EC2, Lambda, EKS, S3, ALB, RDS, S3, DynamoDB), Kubernetes, Prometheus, Grafana

CloudYuga Technologies Pvt. Ltd.

December 2018 - May 2019

Software Development Engineer Intern

Bangalore, India

- Developed 'Users' Dashboard' using the Ruby on Rails framework for displaying course and assignment progress.
- Programmed a 'Course Quiz Feature,' which converted question templates written in YAML in real-time to display them on the course quiz page to reduce manual questions & answers feeding almost to 0.
- Configured Terraform scripts for setting up cloud resources on Google Cloud Platform (GCP) to reduce manual cluster provisioning work by 80%.
- Tech Stack:** Ruby, Ruby on Rails, ReactJS, Terraform, GitHub Actions, Google Cloud Platform (GCP)

TECHNICAL SKILLS & CERTIFICATIONS

Languages	Python (Proficient), Java, JavaScript, Shell Scripting, C++, Go, HTML/CSS
Web Technologies	Django, Spring Framework, React, Node.js, JSON, RESTful APIs, Flask, Bootstrap, Ruby on Rails
Databases	Relational (PostgreSQL, MySQL), Non-Relational (Redis, Cassandra)
Tools & Platforms	Docker, Kubernetes, AWS, Linux, Terraform, Jenkins, Puppet, ArgoCD, Prometheus, ELK, GCP, Git
Certifications	Certified Kubernetes Administrator (CKA), AWS Certified Solutions Architect, RedHat Certified System Administrator (RHCSA)

EDUCATION

Master's in Computer Science and Engineering (MS CS)

September 2022 - June 2024

Santa Clara University

Santa Clara, California

Relevant Coursework: Distributed Systems, Cloud Computing, Object-Oriented Analysis, Machine Learning

Bachelor's in Computer Science and Engineering (BS CS)

July 2015 - May 2019

Shivaji University

Maharashtra, India

Relevant Coursework: Data Structures, Computer Architecture, Software Engineering, Computer Networking

ACADEMIC PROJECTS

Distributed Job Notification System | Java, Spring MVC, ReactJS, Docker, AWS [See here](#)

- Led the app development and deployed it on AWS with Docker to boost scalability and reliability.
- Reduced notification latency by 40% and achieved 99.9% uptime by engineering a scalable microservices architecture.
- Enhanced system security and performance through advanced protocols and algorithm optimization.

Cloud-Based Load Balancing | Xen, XenServer, XenCentre, Aneka Management Studio

- Formed virtualized cloud environments with XenServer and Aneka for enhanced scalability.
- Developed distributed Warhol Effect filter for 3x faster image processing with AnekaThreads.
- Optimized cloud load balancing with Xen for 15% increased application uptime.