

Angad Pal Singh

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EDUCATION

Kalinga Institute of Industrial Technology

2018 - 2022

Bachelor's, Computer Science and Communication Engg

PROFESSIONAL EXPERIENCE

State Street Corporation

Bengaluru, KA, India

Senior Associate | Platform Engineering

June 2022 - Present

- **Full-Stack Development:** Built a React.js/Node.js IAC visualization portal by integrating the Ansible Automation API for automated Git repo provisioning and building the "Image Bakery" to display Docker base images with SBOM, InSpec, risk, and compliance scans. Added Terraform Enterprise integration to surface project and workspace insights across multiple organizations.
- **Cloud Expertise:** Authored Jenkins pipeline scripts in our codebase and leveraged pre-existing Ansible templates to provision AWS ECS clusters and ECR repositories, build and push Docker images, and deploy server & client applications as ECS tasks with auto-scaling and CloudWatch logging.
- **Image Bakery:** Engineered CIS and NIST compliant Linux VM and container images via an automated build pipeline with InSpec and SBOM scans; versioned and published artifacts to JFrog Artifactory, AWS ECR, and Azure ACR for enterprise-wide, secure base-image consumption.
- **Security:** Conducted vulnerability scans with Trivy, BlackDuck, and AquaSec Cloud and performed static code analysis using Veracode, integrating all results into a centralized compliance dashboard with automated alerts for newly discovered issues.
- **Monitoring:** Set up Dynatrace for visualization-portal monitoring and integrated it with Splunk for centralized on-prem log analysis, while deploying Grafana and Kibana dashboards for cloud-deployment log aggregation and memory usage analysis.
- **CI/CD Pipelines:** Engineered end-to-end CI/CD and DevSecOps workflows with Jenkins and GitHub Actions—automating CIS-compliant VM image builds, deploying containerized applications to AWS ECS, and integrating security testing (Trivy, Veracode) throughout the pipeline.
- **Automation & Integrations:** Automated multi-environment on-prem deployment of the visualization portal using Ansible Tower and GitHub Actions—managing inventories, provisioning servers, running idempotent playbooks, and orchestrating releases across dev, UAT, and production.
- **Log Management:** Optimized on-prem Splunk log pipeline by configuring universal forwarders, tuning ingestion/indexer settings to reduce latency, and enabling real-time alerts for faster issue detection.

PROJECTS

- **Movie Recommendation Website** – Responsive React app displaying TMDB movie cards & playing embedded YouTube trailers | **React.js, TMDB API**
- **Custom Url Shortener** – Full-stack link shortener with custom aliases & click-through analytics | **React.js, Node.js, Express.js, SQLite3**
- **Music Listening App** – Web audio player with playlists, track controls & metadata display | **React.js, Audio API**
- **Resume Generator** – JSON-driven resume builder using Handlebars templates & PDF export via print CSS | **Node.js, Express.js, Handlebars**

ACHIEVEMENTS

- **Interactive Visualization Portal Deployment:** Deployed on-prem via GitHub Actions & Ansible; migrated to AWS ECS clusters for scalable, containerized delivery.
- **Docker Base-Image Management Portal:** Visualized Docker images with automated InSpec & SBOM scans and integrated risk/compliance dashboards.

SKILLS

- **Skills:** Python, JavaScript, React.js, Node.js, Docker, MySQL, Ansible, Terraform, AWS, Azure, Rest API, Full Stack Development, BASH scripting, Javascript, DevOps, Jenkins, Gitlab, Github, ORM, PostgreSQL, Git, Github Actions, Linux, CI/CD, Agile, Monitoring, Microservices