

PRANAY KANDRU

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Experience

Oracle - Cloud Infrastructure

Seattle, WA

Senior Software Engineer - Container Engine for Kubernetes

Aug 2021 - Present

- Integrated Oracle Cloud Infrastructure's monitoring and logging services for Kubernetes control plane components for customers to have increased visibility on their usage and overall health of their cluster.
- Led a team of five engineers to improve region build automation by extending existing Python scripts and adopting Terraform which resulted in overall deployment time decreasing from 2 weeks to 12 hours.
- Guided customers to adopt Kubernetes, employ best practices when deploying containerized applications, and assist in any issues when onboarding onto Oracle's Cloud offering.

Software Engineer - Container Engine for Kubernetes

Jan 2020 - Aug 2021

- Extended functionality of Oracle's node provisioning architecture to improve time for a new node to join a Kubernetes cluster resulting in 30 second decrease in time for a node to join a cluster.
- Implemented a workflow to remove stale records from our database to keep full table scans efficient for our monitoring daemons to administer actions to unhealthy clusters.
- Automated generation of helm chart values to remove the need for environment specific configuration which streamlined our CI/CD pipelines.

Ford Motor Company - Global Data Insight and Analytics

Dearborn, MI

Software Engineer

Jan 2019 - Dec 2019

- Developed a web-based configuration management tool using JavaServer Faces to modify Hive tables and HBase properties essential to our data ingestion process.
- Implemented a security system to prevent unauthorized changes in production environments and created an auditing mechanism to rollback unwanted changes made by software developers.
- Improved testing workflow for 25 developers by implementing multi-file inputs using regular expressions for our data mastering process.

Technical Skills

Languages: C++, Java, Python, Go, SQL, NoSQL, HTML/CSS, JavaScript

Cloud Technologies: Kubernetes, Docker, Containerized Applications, HIVE, HBase, Terraform, Ansible, Prometheus, Helm, Grafana, Fluentd

Cloud Infrastructures: Amazon Web Services, Microsoft Azure, Google Cloud, Oracle Cloud Infrastructure, Hadoop

Tools: Git, Linux, OpenAPI, Swagger, IntelliJ, Visual Studio Code, Github, JIRA, Confluence, Android Studio, Rally

Best Practices: Test Driven Development, Agile Development

Education

Georgia Institute of Technology

Atlanta, GA

M.S. in Computer Science

Aug 2020 - Present

- Relevant Coursework: Computer Networks, Artificial Intelligence for Robotics

Michigan State University

East Lansing, MI

B.S. in Computer Science and Engineering

Aug 2014 - Dec 2017

- Relevant Coursework: Algorithms and Data Structures, Big Data Analysis, Computer Networks, Computer Security, Operating Systems, Mobile Application Development, Web Application Architecture, Object-oriented Software Design

Projects

MoviePast | *Android, Java, Google DialogFlow*

- Developed an Android application with a simple interface to search and display information about movies, TV shows, and actors.
- Utilized Google's Natural Language Processing service to transform speech to text and train machine learning models to decipher user commands.
- Google Play Store: <https://play.google.com/store/apps/details?id=pr.kandru.movieapp>