

Chandu Vardhan Kanadam

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EDUCATION

California State University Long Beach

Master of Science in Computer Science

Long Beach, CA

Aug 2021 - May 2023

EXPERIENCE

CSULB

Bash Developer

California, CA

Jun 2022 – May 2023

- Automated grading of student assignments by developing custom scripts.
- Developed Bash scripts for automated testing of student-submitted programming assignments, resulting in 40% faster grading time.
- Assisted professor in managing grading process for 100+ students in three CECS-274 Data Structures sections while overseeing 40+ students.

CSULB

Research Assistant

California, CA

Jan 2022 – May 2022

- Processed and analyzed large datasets of 50,000+ rows and 50+ columns using Python libraries.
- Employed data visualization to identify and remove tens of thousands of null values during data cleaning.

AMDOCS

DevOps Engineer

Pune, IN

Jul 2020 – Jul 2021

- Enhanced efficiency by implementing automated configuration management with Ansible modules, resulting in a 5x increase in execution speed and an 5% decrease in manual errors.
- Revamped old scripts and created new Python scripts for faster execution.
- Acquired working knowledge of cloud infrastructure and deployments in AWS through experience in tools including EC2, RDS, Lambda, S3, SNS, IAM, EBS, SQS, ELB, and Route53.
- Knowledge of Infrastructure and configuration management tools like Terraform, Ansible.
- Migrated 1000+ CVS repositories to GitLab along with their 5 years of commit histories using shell scripts.
- Streamlined the deployment process by creating CI/CD pipelines using Jenkins and GitLab, resulting in faster (50%) and more reliable deployments.
- Experience in Git, including version control, branching, and merging. Designed and implemented more than 10 branching strategies in GitLab to accommodate stable builds, feature branches, hot fixes, minor changes.
- Knowledge of monitoring services like Prometheus, Grafana and CloudWatch.
- Developed Docker containers and deployed it in ECS and EKS and utilizing Kubernetes features such as autoscaling and load balancing to ensure high availability and scalability of applications.
- Transitioned and installed the entire Tuxedo application from Unix to Linux, reducing operating costs by 10%.
- Led the implementation of middleware solutions, including WebLogic and Oracle Tuxedo web servers, for distributed database and data transaction services.
- Managed and tracked agile software development projects using JIRA, resulting in 50% faster project management.

TECHNICAL SKILLS

Programming Languages & OS: Python, Java, C, C++, Linux, Windows, MacOS

Web Technologies: HTML, CSS, Django, Tailwind CSS, REST API

Tools / Softwares: Jenkins, Ansible, Git, Docker, Kubernetes, Terraform, GitLab, Prometheus, Grafana, MySQL, PostgreSQL, Jira, VScode.

Scripting Languages & Cloud: Shell, Bash, AWS (EC2, Lambda, RDS, S3, SNS, IAM, EBS, CloudWatch, ECS, SQS, ELB, Route53, Fargate).

PERSONAL PROJECTS

- **Netflix Clone(GitHub):** Formulated a Python-based single-page web application using Django and Tailwind CSS frameworks on AWS EC2 instance, ECS, and Fargate.
- **MF Charts(GitHub):** Designed and implemented a portfolio management tool for mutual funds and containerized the application using Docker, resulting in improved scalability and deployment efficiency.
- **Auto Grader(GitHub):** Created automation scripts utilizing BASH to automate the grading process for student assignments.