Ritik S Ghanshani

CLOUD COMPUTING AND DEVOPS ENTHUSIAST

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Education

Drexel University *Philadelphia, PA*
BACHELOR OF SCIENCE IN COMPUTER SCIENCE *Graduation: September 2022*
CONCENTRATIONS IN AI AND COMPUTER VISION *Cumulative GPA: 3.91*

Experience

Amazon Robotics *North Reading, MA*
SOFTWARE DEVELOPMENT ENGINEER 1 *October 2022 - Present*

- Developing a full stack dashboard to consolidate, cache and display data from multiple source
- Managing end to end development process including feature planning, release schedule, and task prioritization
- Utilizing AWS services along with CDK framework to write scalable and resilient system design
- Designing front-end for the dashboard using Angular and Typescript
- Supporting and maintaining team services as well as responding to tickets as the oncall engineer

Moberg Analytics Inc. *Philadelphia, PA*
DEVOPS LEAD AND CLOUD DEVELOPER *Sept 2021 - Sept 2022*

- Developed CI/CD pipelines using Docker and IBM Cloud to automate testing and deployment to production environment
- Utilized Docker to interface multiple Flask applications for clinical trials with Celery, PostgreSQL DB, and AWS S3
- Pivoted existing applications to serverless deployments with minikube and knative to reduce costs of deployment
- Maintained a Kubernetes data-management application for 2 clinical trials on Neurocritical care with over 50 sites
- Refactored existing code base to modularize redundant code, improve maintainibility and reduce coupling

Bristol Myers Squibb Company *Hopewell, NJ*
CLOUD DEVELOPER CO-OP *September 2020 – March 2021*

- Built a front-end React application to assist 200 projects with generating JSON configurations for AWS deployment
- Refactored codebase for the prototype application to incorporate design patterns and ensure maintainibility
- Created backend functionalities using AWS API Gateway and Lambda to provide context-based suggestions
- Hosted the single page application on AWS S3 using CloudFormation and CloudFront

Agilent Technologies *Wilmington, DE*
SOFTWARE ENGINEERING CO-OP *September 2019 – March 2020*

- Devised a dashboard to automate data pipelines and generate reports, saving the Production Manager 10 hours per week
- Managed 6-month dashboard-development process, handling various scope and timeline adjustments
- Incorporated KPI analytics for 10+ GB of logistics data into the dashboard using ASP.NET
- Generated optimal shipment dates by processing raw shipment data and purchase history in a SQL database

Projects

Senior Design Project *Philadelphia, PA*
MLOPS LEAD ENGINEER AND PRODUCT OWNER *September 2021 - Present*

- Architected a Deep Learning pipeline using AWS for data collection, preprocessing, training and inference
- Engineered a development environment and various tools to allow for rapid training, testing and deployment
- Developed multiple Deep Learning models using PyTorch to diagnose potential chronic sinusitis in digitized cell slides
- Created and maintained the vision, roadmap, and backlog of work through the project's life cycle