Prangon Ghose

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Experience

Lockheed Martin   *New York, NY*
SOFTWARE ENGINEER   *September, 2022 - Present*

- Lead full stack development and software delivery using DevOps practices for a React and Node.js web app, Java microservices, and a MySQL database with an Agile team of 5 engineers
- Refactored the React and Node.js web app, significantly improving UI performance and stability
- Delivered 4 major and 9 minor releases on time by coordinating development, testing, and verification with a cross-functional team
- Improved software delivery efficiency by 30% by automating manual deployment steps on Kubernetes clusters using Gitlab CI/CD
- Reduced Kubernetes pods' memory usage by 50% by configuring custom resource limits

Lockheed Martin   *Rockville, MD*
SOFTWARE ENGINEER ASSOCIATE   *July, 2021 - September, 2022*

- Developed 12 Java microservices for satellite command and control using Spring Boot, implementing a RESTful API, deploying a message broker, and integrating a relational database
- Launched the program's first Kubernetes clusters, prototyping installation and configuration using Rancher, Helm, and Docker
- Scaled deployments by 4x on cloud and on-prem servers through Bash scripts for automated installation and Gitlab CI/CD for automated software delivery
- Troubleshot 25+ high-severity bugs by triaging defects, documenting reproduction steps, and coordinating 6+ developers to implement bug fixes
- Increased query performance by 90% by developing custom SQL queries for Spring JPA and redesigning the database schema

Enertiv   *New York, NY*
IoT DATA ANALYST INTERN   *January, 2020 - May, 2021*

- Expanded Enertiv's sensor portfolio by 2x and launched 7 new Internet-of-Things (IoT) packages by integrating 16 sensor data streams using Python
- Decreased installation times by 10-15% by developing a Django web app to capture site data

Skills

Languages Java, Python, C++, C, JavaScript, HTML, CSS, SQL, Bash, Assembly
Technologies Spring Framework, Kubernetes, Docker, Rancher, Gitlab CI/CD, React, Node.js, Git, Linux

Education

Georgia Institute of Technology   *Atlanta, GA*
MASTER OF SCIENCE (M.S.), COMPUTER SCIENCE   *August, 2022 - Present*

- **Specialization:** Computing Systems

Stony Brook University   *Stony Brook, NY*
BACHELOR OF ENGINEERING (B.E.), COMPUTER ENGINEERING   *Graduated May, 2021*

- **Honors/Awards:** Magna Cum Laude, Dean's List (All Semesters)