Prangon Ghose

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Experience

Lockheed Martin
Rockville, MD

SOFTWARE ENGINEER ASSOCIATE
July, 2021 - Present

- Design and develop Java microservices for satellite ground systems using Spring Boot, leveraging JUnit and Postman to improve test coverage by 25-30%
- Lead software deployment on Kubernetes clusters using Rancher, Docker and Helm, coordinating integration testing, information security and database administration across a team of 10+ developers
- Scaled deployments by 4x on cloud and on-prem servers through Bash scripts for automated installation and Gitlab CI/CD for automated software delivery
- Minimized the time between code commit and production deployment by 50% by automating software delivery using Gitlab CI/CD
- Mobilized 6+ developers to quickly deliver bug fixes and updates after a major release, improving the mean-time-to-repair by 10-15%
- Accelerated team velocity by 15% by expediting the delivery of key capabilities as a subject matter expert in DevOps and CI/CD
- Triaged 25+ vulnerabilities and resolved 100% of identified critical issues by tracking and communicating code quality and code security using SonarQube

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
- Improved installation times by 10-15% by developing a Django and AngularJS web app to overhaul the installation process
- Spearheaded Enertiv's first-ever IoT deployment in Europe, developing documentation to install 5 IoT packages, verifying sensor data, and diagnosing installation issues

Skills

Languages	Java, Python, C++, C, HTML, CSS, JavaScript, SQL, Bash, Assembly
Technologies	Spring Framework, Kubernetes, Docker, Rancher, Gitlab CI/CD, Git, UNIX/Linux
Hardware	Embedded Systems (ARM and AVR MCUs), Raspberry Pi, Arduino, VHDL, SystemVerilog

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)