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 for testing and Rancher for managing Docker containers in Kubernetes clusters
- Proposed and implemented a flexible event capture component using Logback with Spring Boot, achieving client needs while saving 10+ hours of development time
- Improved test coverage by 30% across 3 microservices to reduce average software testing time by 25%
- Introduced the team to best practices for Spring Boot testing, issue tracking, and code security, presenting implementation plans to key stakeholders

Enertiv
New York, NY

IOT DATA ANALYST INTERN
January, 2020 - May, 2021

- Integrated 14 Internet-of-Things (IoT) sensors using Python, expanding Enertiv's sensor portfolio by 2x and launching 7 new IoT packages
- Spearheaded Enertiv's first-ever IoT deployment in Europe, developing documentation to install 5 IoT packages, verifying sensor data, and diagnosing installation issues
- Overhauled the sensor installation process by developing a Django and AngularJS web app, reducing installation time by 10%
- Established a new inventory management system using Enterprise Resource Planning (ERP) software to manage over 250 SKUs, saving dozens of hours of manual work every month

Science and Technology Entry Program, Stony Brook University
Stony Brook, NY

INSTRUCTOR
January, 2019 - May, 2021

- Launched the Program's first-ever computer science course using Python, teaching 40 high school students over 3 semesters
- Expanded the computer science course offerings by planning and teaching a 7-week object-oriented programming course, increasing the students' confidence in their skills to 85%

Skills

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

Education

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)
- **Organization(s):** Stony Brook Robotics Team (President), IEEE-Eta Kappa Nu Honors Society - Theta Mu Chapter (Member)