

Socheata (Jasmine) Pok

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[GitHub](#) | [LinkedIn](#)

SUMMARY

Backend Software Engineer with a strong foundation in Python, Django, and scalable systems development. Experienced in deploying containerized applications and implementing CI/CD pipelines using AWS. Proven ability to lead projects, automate workflows, and deliver impactful solutions through effective collaboration. Actively seeking a remote role to apply technical expertise and contribute to innovative solutions.

TECHNICAL SKILLS

- **Programming Languages & Frameworks:** Java, Python, C++, SQL, Django.
- **Databases:** PostgreSQL, MySQL
- **Technologies & Tool:** RESTful APIs, CI/CD (Github Actions), Git, Docker, AWS (EC2, RDS, S3)
- **Soft Skills:** Collaboration, Independent Learning, Problem-Solving

PROFESSIONAL EXPERIENCE

Software Engineer, NOV, Houston, TX

09/2023 – Present

- Spearheaded the successful execution of a **\$250,000** project aimed at enhancing rig safety, preventing tool collisions on the rig floor
- Collaborated with upper management, presenting system design flowcharts and technical **documentation** for project approval
- Contributed to all phases of the **Software Development Lifecycle (SDLC)**, ensuring robust code, thorough testing, and seamless **Factory Acceptance Testing (FAT)**
- Implemented and optimized **CI/CD pipelines** using **GitHub**, enhancing development processes for consistent, high-quality software delivery.

Sensor ASIC Automation Intern , pSemi, Austin, TX

01/2023 – 05/2023

- Developed LabView VIs for automated data acquisition with NI-DAQmx.
- Performed statistical analysis on experimental data using R Studio to inform system improvements.
- Strategized automation, analysis, and execution of experiments, streamlining workflow processes.

PROJECT

Budgeting App

- **Designed and developed** a budgeting web application using **Django**, featuring **JWT-based user authentication**, **income/expense management**, and **dynamic savings goal tracking**.
- Built a **RESTful API** to retrieve and manage budgeting data in real-time, supporting a dynamic dashboard
- Containerized the application using **Docker**, implemented **CI/CD** pipelines with **GitHub Actions**, and deployed it to **AWS** using **EC2** and **RDS** for hosting and scalability.
- Collaborated with a front-end engineer to integrate APIs seamlessly and ensure a cohesive user experience.

Internal Core Temperature Thermometer (Capstone Project)

- Designed a custom PCB for real-time temperature measurement with updates displayed on an OLED screen.
- Collaborated with Dell Medical School on stakeholder analysis, market considerations, and FDA compliance.
- Developed a complete project lifecycle from concept to functional prototype.

EDUCATION

Bachelor of Science in Biomedical Engineering, *University of Texas at Austin*

Concentration: Instrumentation - Software/Hardware Implementation

GPA: 3.70/4.00