Akshat Bansal

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EDUCATION

University of Wisconsin - Madison, Madison, WI
B.S., Computer Science, B.S., Philosophy; Certificate in Entrepreneurship

SKILLS

Coding Languages:	Python, Java, SQL, JavaScript/TypeScript, Ruby, HTML/CSS, C/C++
Frameworks:	React, Ruby on Rails
Technologies:	REST APIs, Docker, Git, MySQL, GitLab, Azure DevOps, Linux
Practices:	CI/CD Pipelines (GitLab & Azure DevOps), Agile (Scrum)

PROJECTS

BuckymonGo   May 2024
- Developed an interactive map web app for new students to discover campus events.
- Used MySQL for the database, Docker for containerization, and implemented a CI/CD pipeline.

AI Assistant   October 2024
- Developed full stack web app using Next.js (React) and Node.js (TypeScript).
- Used Google Web Speech & Gemini APIs for speech recognition and text-to-speech functionality.

Open Source Vulnerability Logger (WIP)
- Ruby on Rails full-stack app for reporting and viewing software vulnerabilities.
- Implementing user authentication and data persistence using PostgreSQL for deployment.

WORK EXPERIENCE

Medtronic
Software Engineering Intern, Patient Care Systems   June 2023 – August 2023
- Focused on DevOps and SecOps efforts to improve SDLC efficiency in an Agile environment.
- Developed software artifact migration process from Azure Artifacts to JFrog Artifactory.
- Automated SBOM Report generation and storage for software builds.
- Participated in team code reviews as both code presenter and audience to ensure quality code.
- Communicated with third-party vendor, JFrog, to understand how to use the Artifactory UI and CLI.
- Documented artifact migration process for knowledge transfer to help engineers with efficiency.

Engineering Intern, Cardiac Implantables Technology Development Center   June 2022 – August 2022
- Focused on Verification and Validation Engineering.
- Executed bench testing on devices and clinician-facing software tools.
- Edited test protocols.
- Collaborated with cross-functional partners to troubleshoot and resolve bugs.
- Developed Azure DevOps template to improve team efficiency.

Columbus Technologies and Services Inc.
Software Developer   May 2021 – Aug 2021
- Implemented LDAP protocol to add MFA to company's custom software tools using JumpCloud.
- Developed two Java-based software tools to help automate repetitive processes.
- Ran security scans on the company's online software using OWASP ZAP.
- Learned how to implement Java web apps.

Strive Education
STEM Educator   May 2021 – Aug 2021
- Taught over 45 hours of classes in JavaScript and math to middle and high school students.
- Received 5 out of 5 star teacher rating from my students across the board.

HOBBIES

Ballroom dance, Tennis, Cooking, Guitar