Ava Hajratwala

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SUMMARY

Full-stack engineer and emerging leader passionate about designing and optimizing systems to make user, business, and developer experiences smoother. Experienced in full-stack development, AI research, and user-centered design. Seeking software engineering roles.

SKILLS

Languages: Java (SpringBoot), TypeScript, Python, C, C++, SQL (MSSQL, MySQL, PostgreSQL)
Frameworks: React, Spring, Angular, Express.js, FastAPI, JUnit, Playwright
Developer Tools: Azure, AWS, Docker, Kubernetes, Kafka, Postman, CI/CD (GitHub & GitLab), Maven
Libraries: Tailwind, jQuery, Bootstrap, NumPy, OpenCV

EXPERIENCE

Software Engineer Jul. 2025 – Present
M&T Bank *Wilmington, DE*
- Proposed and implemented a GitLab CI/CD pipeline enhancement that minimized manual intervention and reduced deployment times by 25% across 5 teams.
- Wrote unit tests using JUnit to automate compliance to new bank SDLC requirements, increasing test coverage by 50% and sharply reducing manual testing time.
- Maintained Angular/Java SpringBoot applications to help the bank manage risk over 1.2 million monthly transactions.
- Supported containerization and migration of applications to the cloud (Azure), reducing operating costs and improving reliablility.

Full-stack Developer Sept. 2024 – Feb. 2025
WBAR Radio *New York, NY*
- Automated frontend/backend deployment processes by building development environments and CI/CD pipelines, speeding up deployment times by 30x.
- Designed and deployed a scalable Python REST API, enabling access to up-to-date information on show schedules, archive recordings, and DJ profiles for over 1000 monthly users.
- Designed and integrated a relational database to replace data published manually in the source code, allowing non-developers to update site content.
- Implemented custom RBAC with SSO-enabled login to ensure data security for DJs and admin users.
- Coordinated interviews with 10 stakeholders across the organization, leading to UX improvements that boosted user satisfaction.

Undergraduate AI Research Lead May 2024 – Dec. 2024
Soros Lab, Barnard College *New York, NY*
- Promoted to team lead in 3 months for strong leadership, organization, and communication skills.
- Cut approx. 10 hours per week of test runtime by parallelizing experiment trials (~7x speedup).
- Designed and implemented a testing GUI in Python using Tkinter, which cut configuration time in half by eliminating source code updates.
- Mentored 3 teammates in Git and GitHub, improving team collaboration and version control practices.

EDUCATION

Barnard College, Columbia University New York, NY
Bachelor of Arts in Computer Science *Sept. 2021 – Dec. 2024*

Selected courses: Design for Generative AI, Multithreading, Hacking 4 Defense, NLP **GPA: 3.81/4.00**

PROJECTS

Privacy Guardian | *Python (Flask), React, OpenAI API, Vercel* Sept. 2024 – Feb. 2025
- Designed and built a full-stack React app to help users evaluate jargon-filled privacy policies using generative AI.
- Tested new features on 10 users while iterating on technical prototype, increasing user satisfaction by 30%.
- Increased user trust in the model's accuracy by implementing a feature that displayed citations alongside the model's claims.