Youssef Abdulle

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EDUCATION

University of Minnesota — Twin Cities   May 2026
Bachelor of Science in Computer Science
Relevant Coursework: Data Structures and Algorithms, Operating Systems, Software Engineering, Computer Architecture, Applied Machine Learning, Databases, Deep Learning

Honors & Awards   Fall 2023
College of Science & Engineering Dean's List Recipient

TECHNICAL SKILLS

Programming Languages: Java, Kotlin, Python, Golang, JavaScript, C/C++, SQL
Libraries and Frameworks: Spring Boot, JUnit, Django, Flask, FastAPI, React, Scikit-learn, Pytorch
Developer Tools: PostgreSQL, MongoDB, MySQL, DynamoDB, AWS, Redis, Docker, Git, Splunk

WORK EXPERIENCE

Atlassian   San Francisco, CA
Software Engineer Intern   June 2025 – Present
- Engineered RESTful APIs used across authentication workflows, to run ad-hoc and registered SQL queries with performance metrics, streamlining experimentation and improving validation efficiency by 20%.
- Enhanced the pre-production shadowing process to compare new SQL queries against existing ones using live traffic, improving performance analysis and reducing rollout regressions by 15%.
- Captured latency metrics from shadowed queries and developed real-time dashboards, improving monitoring and strengthening reliability checks for production rollouts.
- Migrated legacy SQL queries into a centralized execution service with standardized logging and monitoring, reducing duplication and cutting maintenance overhead by 25%.

University of Minnesota   Minneapolis, MN
Undergraduate Teaching Assistant   Sept 2024 – Dec 2024
- Instructed cohorts of 50+ students weekly in foundational Python concepts, tracking improvements in their grades throughout the semester.
- Coordinated 3 weekly laboratory meetings, implementing discussion-based learning strategies that increased student performance in lab assignments by 30%.
- Led weekly office hours, achieving a 95% satisfaction rate in anonymous surveys, which resulted in increased student attendance at subsequent sessions.
- Collaborated with course instructors to design coding exercises and grading rubrics, ensuring consistency and improving assignment turnaround time by 20%.

PROJECTS

Recipe Management Platform | Java, Spring Boot, PostgreSQL
- Developed a secure REST API using Spring Boot to manage recipes across 15+ cuisine types, storing user-submitted entries in a normalized PostgreSQL schema
- Designed recipe favoriting and meal plan endpoints for social-style comparison, increasing user engagement and retention through personalization
- Improved performance by indexing queries and optimizing endpoints, reducing response times by 35% under typical user load

Concurrent Internship Scraper | Go
- Built a concurrent web scraper in Go using Colly to extract and export 100+ tech job listings into structured CSV format, sending notifications via Discord
- Implemented concurrent scraping with goroutines, achieving a 60% speedup across paginated sources compared to sequential execution
- Enabled 15+ students to secure interviews by delivering real-time alerts for new job openings, supporting early applications