Drew Hatcher

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Work & Experience

August 2023 - Present

Software Engineer
Caterpillar Inc. – Remote
- Designed and deployed scalable pipelines, including a Lambda-based OTO processing 4B records into DynamoDB
- Served as feature lead and SME for customer merge workflows, guiding design, reviews, and enabling teammates
- Refactored complex critical data flows under tight deadlines to improve scalability, stability, and reliability
- Raised engineering quality via thorough code reviews and defect reduction while maintaining delivery targets
- Presented technical solutions across the org, providing insight into intricate solutions and process improvements
- Contributed to major initiatives (ED Retirement, VisionLink), collaborating across teams to deliver robust solutions

January 2022 - March 2023

Full Stack Software Engineer
Actively – Remote
- Integral in planning and building core product in a fast-paced agile environment using React, FastAPI, Python, GCP
- Spearheaded SOC 2 Type 1 certification, doubling client acquisitions and ensuring compliance
- Implemented critical features and client integrations, accelerating time to value and guiding roadmap via demos
- Mentored interns, providing direction on business-critical projects, code reviews, and technical guidance

May 2021 - August 2021

Cybersecurity Analyst Intern
McKesson Corporation – Remote
- Significantly sped up access reviews by automating the validation of user privilege data and its transfer into Azure
- Authored detailed internal job aids to document the new user access review process for meeting SOX compliance

January 2019 - December 2021

Teaching Assistant — Database Systems, Discrete Mathematics
College of Computing, Georgia Institute of Technology – Atlanta, GA
- Contributed to writing, testing, and grading coursework, including a semester-long database design project
- Provided instruction and support through weekly recitations, office hours, discussion forums, and lectures

June 2019 - August 2019

Software Engineering Intern
MemberClicks – Atlanta, GA
- Debugged, developed endpoints, and wrote scripts in the backend using Scala, Python, MongoDB
- Completed dozens of UI/UX tickets on the frontend using JavaScript, PHP, HTML5, Node.js, and Angular
- Participated in code reviews, meetings, and stand-up to facilitate communication in an agile development team

Education

January 2021 - December 2021

Master of Science in Computer Science, *Georgia Institute of Technology*, Atlanta, GA
- GPA: 4.00 / 4.00, Specialization in Machine Learning

August 2017 - December 2020

Bachelor of Science in Computer Science, *Georgia Institute of Technology*, Atlanta, GA
- GPA: 3.96 / 4.00, Threads in Artificial Intelligence and Information Internetworks

Projects

May 2020 - August 2020

React Web Apps: Personal Website, Spotify Playlist Builder
- Designed and built reactive web apps using React and Node.js, integrating external APIs and deploying via Heroku

January 2019 - May 2020

Stadium IoPT Mobile App (Backend)
- Helped lead the design of a relational database and REST API for a mobile iOS fan engagement application
- Utilized WAMP stack to build and test critical endpoints to get trivia questions, store responses, and report analytics

December 2019 - April 2021

Various Data Science Projects
- Hate tweet classifier (LR, BERT), Genre classification of movies using posters (CNN), Artist similarity visualization

Skills

Languages
Python, SQL, JavaScript, Java, HTML, CSS, PHP

Software Tools
Git, AWS, GCP, GitHub Actions, Azure DevOps, Snowflake, MySQL, PostgreSQL, MongoDB, React, Postman, Jira

Concepts
Software Development, Agile, ELT, Relational Databases, REST APIs, OOP, Data Structures and Algorithms, Data Modeling and Visualization, Performance Optimization and Profiling, Machine Learning, Security and Compliance

Design
UI/UX Design, Adobe Creative Suite, Figma, Web Design, Graphic Design, Photography