

HECTOR DARIEL MEDINA

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SKILLS & CERTIFICATIONS

Technical Skills: React JS, Linux, AWS cloud computing, TypeScript, Python, JavaScript, JSON, SQL, Java, C++, GIT

Additional Languages: English (Native), Spanish (Native)

Certifications: Python For Everybody (Getting Started with Python), Python Data Structures, Using Python to Access the web, Python Classes, and Inheritance

PROFESSIONAL EXPERIENCE

Amazon Web Services, Boston, MA

Jun. 2022 – Nov. 2023

Software Developer Engineer L4 – Sept. 2022 – Nov. 2023

- Contributed to the AWS FSx Windows HARP project, developing robust APIs and CLI calls to swiftly mitigate incidents and restore customer file systems using Varia scripts (JSON-based) and Mechanic CLI (Java-based).
- Ensured 100% reliability of API and CLI test files using JUnit, with validations to prevent file system damage.
- Led the deployment of new HM/AMI instances across 31 global regions and monitored pipeline stages, ensuring optimal performance and scalability of AWS services.
- Investigated and resolved customer and system tickets, updating runbook docs to restore file system availability.

Software Developer Engineer L4 (Intern) – Jun. 2022 – Sept. 2022

- Revamped UI and functionality of AWS FSx NetApp ONTAP console project, enhancing user experience and increasing customer satisfaction by 25%.
- Introduced key components: 'CreateVolume', 'UpdateVolume', 'CreateFileCache' and 'CreateSVM' features, empowering customers to manage storage resources directly from the UI.
- Monitored cross-regional deployments across 31 regions maintaining seamless UX across regions.
- Proactively identified and resolved bugs beyond the project scope, contributing to product stability.

Hack.Diversity, Boston, MA

Dec. 2021 – Aug. 2022

Hack.Diversity 2022 Fellow/ Ops Lead

- Accepted into the 2022 Hack.Diversity Fellowship, a program integrating Boston's innovation, corporate, civic, academic, and philanthropic sectors for career leadership and workforce development.
- Transformed client requirements into technical specifications, developing a robust MERN stack web application.
- Designed MongoDB schema and implemented a data access service for accurate CRUD operations.
- Developed and deployed front-end architecture to support user interface concepts with 100% accuracy.

Spectrus, Beverly, MA

May 2019 – Aug. 2019

Software Engineer (Intern)

- Performed in-depth analysis of a web application tailored for biochemist engineers, enabling features such as sample viewing, project updates, history access, and client invoicing.
- Assisted in leading sprint planning and stand-up meetings to define project requirements, prioritize goals, and deliver solutions, leading to a 40% increase in productivity.
- Utilized expertise in planning and designing logical and relational database models using MySQL, ensuring optimal data management and system performance.

PROJECTS

Hack.Diversity Software Engineer Tech Dive Project, Boston MA

Dec. 2021 – Feb. 2022

Full-Stack Developer/ Ops Lead

- Led a team of 8 developers to implement CRUD operations, creating an efficient and scalable web application for medical practitioners to review patient records, update examination information, and analyze patient trends.

EDUCATION

Suffolk University, Boston, MA

May 2022

Bachelor of Arts in General Studies; Concentration in Physical Science

- **Clubs:** Computer Science Club, Commuter Student Council, Suffolk African American Student Council
- **Relevant coursework:** Data Structures and Algorithm, Data Science, Python, Object-Oriented Programming