

Margret Williams

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Work Experience

The Tie

New York, NY

July 2022 – Present

PRODUCT ENGINEER

Supported the Domestic Engineering Team Across Frontend, Full-Stack, and Backend Engineering principles to develop features, maintain pipelines, and expand the product scope of the The Tie data analytics platform and their supporting applications.

- Led the Domestic Engineering team and worked directly with sales leadership to expand the product data offerings and assess and address product limitations and build out fixes and new product features.
- Contributed to the Python APIs, Data Pipelines, Vue Frontend Design-System, Rails Backend, Database Infrastructure, and introduced additional data flows into the analytics platform.
- Drove end-to-end design, data-processing, back-end serving, user experience evaluation, and launch for the product.
- Worked with the design team to redesign, standardize, and update the FrontEnd VueJS design system for the platform.

Palantir Technologies

New York, NY

July 2020 – June 2022

FORWARD DEPLOYED SOFTWARE ENGINEER

Supported Palantir Technologies as a Forward Deployed Software Engineer across Non-Profit and United States Government sectors. Developed micro-services and features on top of Palantir Foundry in Typescript React and Java, and worked across 10+ distinct contracts.

- Created data transformation pipelines in PySpark, SparkSQL, and JavaSpark to support core business workflows and educate users in Government and Non-Profit sectors on how to do the same; provided hours of in-platform training a week to client developers.
- Worked directly with customer stakeholders to assess client needs and analyze client business requirements, and to develop data models, product features, data pipelines, and user interfaces within the Palantir product ecosystem.
- Led and tested comprehensive platform migrations and upgrades.
- Interacted with clients to onboard senior stakeholders to the Palantir offering, prepared and executed a standardized pitch, and engaged in security and compliance conversations with senior IT. Ensured consistency in how the Palantir platform was sold and implemented across customers and domains, both in Non-Profit and US Government sectors.

Amazon Music

San Francisco, CA

May - August 2019

SOFTWARE DEVELOPMENT INTERN

- Created a Java and Angular application to enable code auto-documentation for the Amazon Music Events team. This tool consolidated all code-based inline documentation into a web-application interface through which documentation could be added and edited.
- Constructed a Java API backend to parse music event metadata and retrieve existing event specs.
- Prototyped visualizations using in-house tools to review datasets and validate data pipelines prior to implementing the launch-ready version.

Amazon Web Services

Detroit, MI

May - August 2018

SOFTWARE DEVELOPMENT INTERN - AMAZON MARKETPLACE

- Created an AWS Native and Angular web application internal tool that automated the notification on-boarding process for the Amazon Seller-Central notification platform.
- Worked with DynamoDB, S3, Cloudfront, Cloudformation, CloudAuth, and AWS Stepfunctions to create an application that validates and automates seller notification configuration.
- Wrote comprehensive design documentation to ensure design and code quality and product longevity.

Skills and Interests

Certifications: AWS Certified Cloud Practitioner, AWS Certified Developer, AWS Certified Solutions Architect

Programming Languages: TypeScript, JavaScript, Python, Java, Ruby, Bash, SQL, HTML/CSS

Frameworks and Libraries: React, VueJS, Apache Spark, Rails, Angular

Infrastructure: AWS, Azure, GCP, Palantir Foundry, Palantir Gotham, SingleStore

Design Skills: Adobe Suite (Id, Ai, Ps, Xd), Interface Design, Web Usability

Knowledge: API Development, Cloud Architecture + Development, Database Design, Data Pipelining, Arduino + Raspberry Pi

Volunteer Work: Muddy Paws Dog Foster, Muddy Paws IT Developer Volunteer

Education

Carnegie Mellon University

Pittsburgh, PA

August 2016 - May 2020

BACHELOR OF SCIENCE: INFORMATION SYSTEMS (HIGH HONORS) | MINORS: HUMAN COMPUTER INTERACTION + MEDIA DESIGN

- Teaching Assistant for: Mobile Web Design + Development, Database Design and Development

March 2023