

MASON HEAMAN

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SOFTWARE ENGINEER

Disciplined, goal-oriented software engineer with experience creating high-quality code that is well documented, meets dynamic business requirements, and provides insight to the engineering and product teams. A proven problem solver with an engineering mind, business development drive, and a customer relations personality who excels at development in both specialized and cross functional teams. Core competencies include:

Full Stack Software Development | Cloud Computing (AWS) | Python | Java/Kotlin | ReactNative | TypeScript | CI/CD Pipeline Management | Operational Metrics Implementation | Data Analysis | Database Management

PROFESSIONAL EXPERIENCE

Limelight Intelligence, Remote, WA

Full Stack Software Developer

2/2024 – 4/2024

Full stack development for a GenAI driven contract management service. Short term consulting role focused on improving existing codebase.

- Review and improvement on backend APIs for contract storage, GenAI processing, and management.
- Improved test coverage on existing codebase.
- Utilized and maintained CI/CD workflows.
- Created new front end experiences in Typescript and React for contract management.

AMAZON, Seattle, WA

Full Stack Software Development Engineer, Amazon Halo

8/2022 – 6/2023

Back end development on AWS Cloud Computing driven services and building front end experiences with ReactNative + TypeScript.

- Ownership and improvements to a back-end service for the storage and retrieval of customer data.
- Developed dynamic front-end experiences with React Native for users of the Halo App across multiple platforms. Some of which include: full page functional questionnaires, helper badges, and conditional ingresses throughout the app.
- Halo's out-of-box-experience required BI analytics across multiple teams for effective experimentation and analysis. Worked with BI and PM to define a metric schema and built APIs for tenant teams of the framework to integrate with to standardize analytics throughout the customer journey. Standardized analytics on this business critical workflow allowed BI Engineers and PMs to make meaningful conclusions about the customer experience and remove inefficiencies/blockers.
- Maintained the operational excellence of owned services through bug fixes, ticket investigations, and security reviews.
- Utilized, maintained, and created automated CI/CD pipelines for improved safety and efficiency during development.

BTYBUY.COM, Bellingham, WA

Backend Engineer

6/2021 – 12/2021

Back end development for a ML driven cosmetics e-commerce website. Product data collection on multiple websites using web crawlers and management of a PostgreSQL database.

- Implemented and maintained Scrapy web crawlers to obtain product data from multiple e-commerce sites using Python.
- Recognized and mitigated an image collection bug in a web crawler, resulting in collection improvements of over 80% on affected sites.
- Integrated Elasticsearch with PostgreSQL database to allow users to accurately search for products.

PROJECT EXPERIENCE

WESTERN WASHINGTON UNIVERSITY, Bellingham, WA

ML Research Student

4/2021 – 3/2022

Utilized Garmin Watch Data and ML Model for Predicting Stress in Young Adults with Autism

- Created a ML model and trained on data collected by Garmin Watches.
- Preprocessed large collections of data from SQLite database using the Pandas Python library.

EDUCATION

Bachelor of Science (BS) in Computer Science

Western Washington University, Bellingham, WA

- Classes of Interest: Data Structures, Database Systems, Artificial Intelligence, Data Science.
- CS Distinguished Scholar: selected as one of 40 out of hundreds of applicants for entrance into the Computer Science Distinguished Scholars Program
- Upper Division GPA: 3.7

Associate of Arts (AA)

Olympic College, Bremerton, WA

TECHNICAL EXPERTISE

Languages: Professional: TypeScript, Kotlin, Java, Python, SQL; Personal: C#/.NET, C, Spring Boot

Frameworks & Tools: Git, ReactNative, Jest

Cloud Computing: Amazon Web Services (AWS) – Compute, Storage, Networking, Security