

WORK EXPERIENCE**Unanet - Senior Software Engineer**

September 2023 - Present

- Led initiative to improve legacy software development with common-sense CI/CD and tooling improvements learned from building startups. Brought in testing, modern tools, and reduced "time to first commit" for new developers in a Java/React app.
- Refreshed and re-invigorated the development of a React application that had fallen behind. Charged ahead on an upgrade from React 17 straight to React 19.
- Worked directly with CTO on a daily basis to enable large government contractors to work outside of USD, a major refactor of the Java backend.

mysherpas - Principal Software Engineer

March 2022 - September 2023

- Spearheaded the design and development of the core (Java/Next.js) product from inception. Partners estimate it saves dozens of hours a week for their teams after initial implementation.
- Lead end-to-end software development operations, encompassing everything from initial code creation to selection and implementation of development processes, tools, and cloud services.
- Established and optimized CI/CD processes, resulting in a one minute deployment using AWS and Bitbucket.
- Led the relationship with our 3rd party operations team, handing over Terraform powered AWS infra. A learning experience for them, they have now adopted it internally.

OpenEdge/GPI - Software Engineer II

June 2019 - March 2022

- Successfully transitioned and expanded 3PointData's legacy software post-acquisition by GPI.
- Collaborated across teams to offload work to more dedicated resources, allowing developers to focus on building.
- Created a new product (Java and React) with only 2 other developers that collects millions of dollars in payments a year.
- Brought the momentum and efficiency of a startup team to a larger corporate framework, ensuring consistent high-speed development.

3PointData - Software Engineer

May 2015 - June 2019

- Created a (private) customer facing site that interacted with our support systems via API (Jira, Jenkins, etc).
- Reduced waste by automating large parts of all repeatable workflows.
- Worked with many international teams across Europe, UK, New Zealand, and Australia.
- Built out an extensive testing framework involving a mixture of unit, API and browser automation tests using Selenium.
- Overhauled DevOps process with Docker using inexpensive self-hosted instances.
- Java EE, Spring, Ember.js main stack serving more than 20 million requests per day.

OTHER PROJECTS

You can check out my occasional public activity on [Github](https://github.com)

My personal site is at

alexmherrmann.com

LANGUAGES AND TECHNOLOGIES

IaaS: AWS, Digital Ocean, GCP

Containers: Docker, Kubernetes, Helm

Linux: Production and personal environments, both locally and in the cloud

Programming Languages: Java, Kotlin, Typescript, Go, SQL, Python

Other Technologies: React/Next, Selenium, Git, Terraform, Docker, Spring Boot

Databases: MySQL, PostgreSQL, Elasticsearch

AREAS OF INTEREST

Automation/DevOps: If something needs to be done regularly and can be automated, it should.

Testing: Regression testing takes a lot of people-hours. Automating as much as possible to achieve functional coverage is important.

Observability: Knowing why your software is failing with solid observability helps everyone deliver better code faster.

EDUCATION

B.S. in Computer Science -
University of Utah (graduated 2022)