

# Alexander Herrmann

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## WORK EXPERIENCE

### Unanet - Senior Software Engineer

September 2023 - Present

- Improved legacy software development with common-sense CI/CD and tooling improvements learned from building startups.
- Worked directly with CTO on a daily basis to enable large government contractors to work outside of USD

### 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.

### OpenedEdge/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

## 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)