Will **Furstenau**
Site Reliability Engineer

Email will@furst.io

Location Chicago, IL

NextCapital Group, Inc **(Acquired by Goldman Sachs Group, Inc.)**
02/19 – Present

Site Reliability Engineer
03/22 – Present

- Designed and implemented an overhauled deployment process for a majority of the components of our application, leveraging CI/CD best practices as well as modern tooling surrounding infrastructure as code & configuration management.
- Facilitated development work by working directly with developers, contributing insight on operational & system designs & architectures in order to ensure best practices are considered from the inception of a new project.

DevOps Engineer
02/19 – 03/22

- Designed & developed a CLI tool for AWS Session Manager, expediting the company wide move off of SSH onto a system with easier auditability & more flexible access provisioning.
- Automated report generation on the state of our AWS accounts, utilizing Lambda & the AWS API to compile information from multiple different AWS services & across multiple AWS accounts.
- Aided in the conversion of one component into a containerized solution. Utilizing ECS, EFS, and Fargate, the transition of this component ensured that it was highly available & redundant.
- Designed the architecture for an open-source HIDS solution including a centralized reporting server, strict access policies, and adding custom functionality to support our use case.
- Participated & helped improve disaster recovery exercises, which included standing up the whole application stack in a different region in AWS.

Constellation Brands, Inc.
05/18 – 08/18

IT Infrastructure & Operations – Intern

- Created standards for tagging best practices for different AWS resources in order to better utilize & optimize automation tools.
- Collected & compiled information about different cloud resources in order to better manage them, utilizing tools like Python, and the AWS cli.

Havi Global Solutions
05/17 – 08/17

IT Infrastructure & Operations – Intern

- Sourced & implemented an open-source exception reporting tool into an existing ELK stack.
- Assisted in updating our networking infrastructure inventory, including establishing lifecycle policies for different hardware components.

Education

Bachelor's Degree – Computer Science
Northern Illinois University
08/16 – 12/18

Associate's Degree – Science
College Of DuPage
08/14 – 05/16

Skills

AWS

• Linux	• Terraform	• New Relic	• EC2	• Lambda
• Bash	• Ansible	• Duo Auth	• RDS	• SSM
• Python	• Chef	• OSSEC	• IAM	• CodePipeline
• Docker	• Packer	• ClamAV	• S3	• CodeBuild

References available upon request