

## 1. Professional Experience:

### 1. **Senior Software Engineer, Capgemini** (2020 – 2022): Finance Department, Fidelity contracted.

Java, Gherkin, Jenkins, Karate, Cucumber, Swagger, Jira

1. Spearheaded engineering and design of the project testing suite.
2. Designed automated Jenkins test servers, executing end-to-end black-box, Behavior Driven Development testing of API, and UI systems.
3. DevOps organized in Jira, leveraging Agile methodology.

## 2. Technical Skill Set:

1. **Languages:** Typescript, Java, Ruby, JavaScript, Python, SQL, HTML5, SCSS

2. **Frameworks/Libraries:** Rails, Next.js, Vue, React, PostgreSQL, Three.js, Tanakai, AWS-SDK, Karate

3. **DevOp/Services:** AWS-S3, AWS-EC2, DigitalOcean, Heroku, Redis, Git, Jenkins, Neovim, Terraform

## 3. Technical Experience:

### 1. **http://3.130.240.169** (2023): Centralized content stream for mapping ideas, and building knowledge, visualizing live scraping data coupled with research.

#### 1. Frontend.

Vue-3.3.4, Typescript, SCSS, Three.js, Axios, Devise, Tiptap, Terser, AWS-EC2, AWS-Route53

1. Infinite scrolling lazy loaded paginated content using Intersection Observer.
2. View images, texts, and PDFs, in a resizable and draggable lightbox.
3. Create collections(folders), and assign content.
4. Account authentication with Devise and JSON web tokens.
5. Three.js 3D content navigation.
6. Upload links into backend Tanakai web scrapers with url or username for supported sites.

#### 2. Backend.

Ruby-3.2.2, Rails-7.0.2, PostgreSQL, Tanakai, Kaminari, Sidekiq-Scheduler, Redis, Ransack, Devise, Carrierwave-AWS, MiniMagic, DigitalOcean, AWS-Sigv4, AWS-SDK-S3, AWS-EC2, AWS-Route53

1. Search, sort, and paginate Active Record requests with Ransack and Kaminari.
2. Authenticates API requests by token based Devise JWT.
3. Web scrapes url, and or account names through automatic Sidekiq scheduled Tanakai spiders.
4. Uploaded and scraped images and thumbnails convert into lightweight AVIF and WebP source sets.
5. Uploads files into private DigitalOcean Spaces buckets using AWS-SDK-S3.
6. Generates temporary pre-signed urls during requests using AWS-SDK-S3.

### 2. **Wavefront OBject Batch Synthesis** (2023): Fine point 3D mesh operation boilerplate, Multithreaded object oriented thread pool.

Java, TinSpin, Maven

1. K-D tree structured data
2. Linear algebraic matrix operations support the subdivision, decimation, translation, and hybridization of polygonal mesh matrices.

### 3. **Are.na→Obsidian** (2023): Recursively web scrapes Are.na account data, into Markdown linked organization, digestible by Obsidian software.

Java, Selenium, Okio, Maven

## 4. Education:

### 1. Colorado State University

1. Bachelor of Science in Computer Science
2. Bachelor of Fine Arts in Art Studio

Dec, 2019

Dec, 2019

### 5. Boy Scouts of America, Troop 77, Eagle Scout, Order of the Arrow

Aug, 2013