

Jeffrey Puls

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WORK EXPERIENCE

Full-Stack Software Engineer

Mar. 2022 – July 2023

Talogy (formerly PSI Services Inc.)

Remote

- Continued responsibilities from previous position at *MassiveU*, providing feature development, debugging, and maintenance of the *Solvably* platform (re-branded to the *AIM Learning System*)
- Played a key role in restructuring the app from its original monolithic, single-purpose state to a multi-modular talent management and assessment platform
- Created a web-scraping tool used to parse, format, and categorize hard-coded legacy **HTML** content, allowing automated ingestion into **RDS**
- Refactored and consolidated multiple legacy editing tools, ultimately building a comprehensive in-platform content authoring tool used by internal content teams and end-users
- Completely rewrote several legacy client-facing interfaces, resulting in greatly improved routing structures, page-to-page render times, API hit rates, and codebase maintainability
- Crafted a modular validation schema generation tool, compatible across both ends of the web stack
- Responsible for the inception of a standardized style guide used by the development team to create more consistent, maintainable code across the platform

Full-Stack Software Engineer

Mar. 2021 – Mar. 2022

MassiveU (acquired by PSI Services Inc. in 2021)

Remote

- Responsible for major feature development, debugging, and legacy code maintenance for *Solvably*, a multi-tenant web-based collaborative problem solving education tool
- Built a self service SaaS marketplace portal, including shopping cart / checkout flow with payment processing via integration with the **Stripe SDK**
- Implemented an in-platform team voice chat system, featuring automated meeting recording and voice transcription features via integration with the **AWS Chime, Lambda**, and **SQS** cloud services
- Provided porting, debugging, and maintenance of features for *Solvably's* contest-based sister platform, notably used to host the *ASA Solve Together* contest series

Manufacturing Team Member (various roles)

Oct. 2015 – June 2019

Garlock Sealing Technologies

Palmyra, NY

- Collaborated as an effective member of a cross-functional manufacturing team to ensure production targets were met in a safe and timely manner
- Worked directly with materials engineers, helping to improve the quality and efficiency of various manufacturing processes
- Demonstrated commitment and stability with a venerable four-year tenure at the company

EDUCATION

Self-taught Software Development

2017 – Present

- Extensive self-study and practical application in software development principles, and technologies.
- Continuous learning, staying up-to-date with the latest industry trends and advancements.
- Development of various personal open-source software projects including:
 - *Thorium-UI* – A custom **React** UI component library
 - *Desktop Destroyer* – A web-based port of the classic Windows game, written in **Typescript**
 - *Anime Orbiter* – A serverless web application for tracking your watch history of anime titles

ACCOMPLISHMENTS

- Played a pivotal role in the development of a startup application, leading to a lucrative exit and subsequent acqui-hire of the entire development team by a larger company.
- Actively participated in *Hacktoberfest 2020*, making multiple significant contributions to my open source projects

SKILLS & TECHNOLOGIES

Languages: JavaScript, Python, C#, Typescript, SQL

Front-End: HTML5, CSS3, React, Bootstrap, Bootswatch, LESS, SASS, Storybook, responsive design

Back-End: Node, Express, Sequelize, MySQL, Socket.io, RESTful APIs, websockets

AWS Cloud Infrastructure: S3, EC2, RDS, Chime, Lambda, ElasticBeanstalk, SQS, SNS, CloudWatch

DevOps: Git, GitHub, GitLab, Jira Cloud, Agile, merge/pull request flow

Software: WebStorm, VSCode, Sourcetree, Docker, MySQL Workbench, Figma, NPM

CERTIFICATIONS

- **Google IT Support Professional** (*Coursera, 2020*)
- **AWS Fundamentals: Going Cloud-Native** (*Coursera, 2021*)

PERSONAL INTERESTS

- Rocketry, space exploration & astronomy
- Video games
- Sports cars
- Craft beers