

Paul Stella

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Dynamic software engineer with 10 years of experience in designing, building, & maintaining systems.

SKILLS

LANGUAGES: Go, Scala, C#, Python, TypeScript, JavaScript, Swift

FRAMEWORKS & LIBRARIES: .NET, Play, Xamarin, React, Node.JS, React Native, Ionic, Swagger

CLOUD & WEB: Amazon Web Services (AWS), Google Cloud Platform (GCP), REST, SOAP, WebRTC, WebSockets

DATA: PostgreSQL, BigQuery, Redis, Firebase, MySQL, MongoDB, Apache Airflow, SQLite, ElasticSearch

TOOLS: Terraform, Git, Docker, Jenkins, AppCenter, Bitbucket Pipelines, GitHub Actions, Bash, Linux, JWT

EXPERIENCE

Senior Software Engineer • Consulting for Health and Nutrition Startup

Lumenalta • New York City, New York (Remote) • Dec 2023 - Feb 2024

- Built features with **RESTful APIs** in **Go**, adding integrations for **Calendly** & **Zapier**
- Streamlined local development by emulating **Firebase** and **ElasticSearch** services using **Docker** containers
- Refined, tested, & deployed large dataset calculations, applying nutritional scoring on food-based datasets

Senior Software Engineer • Consulting for Ad Tech Company

Lumenalta • New York City, New York (Remote) • Nov 2020 - Dec 2023

- Refactored & extended ETL pipelines with **Go**, **Apache Airflow**, & **BigQuery**, improving throughput by 80%
- Created new and migrated prior infrastructure into **Terraform** configurations with **Terragrunt** tooling
- Enhanced real-time application connectivity between microservices with **gRPC** and **Protobuf**
- Implemented scalable microservices and service workers using **Docker** container orchestration
- Leveraged **CI/CD** pipelines for testing and deployments to various environments using **Github Actions**
- Introduced flexible and resilient **event-driven architecture** with **Pub/Sub**

Software Engineer

SmarterServices • Grand Rapids, MI (Hybrid) • Apr 2019 - Nov 2020

- Built a video transcoding pipeline on **ElasticBeanstalk** using **EC2** with **FFmpeg**, **Node.JS**, **SQS**, & **Docker**
- Architected and developed a **Google Chrome extension** for automated proctoring leveraging **Tensorflow**
- Developed and designed a check-in kiosk for regional DMVs with **JavaScript**, **React**, and **HTML5**
- Built out entire **CI/CD** pipeline for **automating testing** and **deploying microservices** with **Github Actions**

Programmer

JohnsonRauhoff • Benton Harbor, MI (Hybrid) • Mar 2017 - Apr 2019

- Developed **iOS** & **Android** mobile apps in **Xamarin** for field service technicians, offering diagnostics & docs
- Used **Scala** & **React** for user management platform, offering subscription plans through **Stripe** integration
- Leveraged **AWS CloudFormation** for defining **infrastructure as code**
- Implemented push notifications with **AWS SNS**, mobile app authentication and sync with **AWS Cognito**
- Maintained and expanded **CI/CD** using **Bitbucket Pipelines** for deploys and **Jenkins** for mobile app builds

Associate Software Engineer

Better World Books • Mishawaka, IN • Sept 2016 - Feb 2017

- Developed a time-tracking web app & **APIs** with **ASP.NET**, streamlining warehouse workflow up to 25%
- Migrated a monolithic **Python** web application to **ASP.NET MVC** for warehouse shipping management
- Enhanced a eCommerce site using **Algolia**, improving search functionality & reducing load times up to 75%

Software Administrator

Better World Books • Mishawaka, IN • Feb 2014 - Sept 2016

- Extracted data warehouse insights from **MS SQL Server** & **MySQL** databases.
- Resolved technical issues using **XML** & **CSV** for inventory file-transfer & product fulfillment