Alexander Gimmi
Software Engineer

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TECHNICAL EXPERIENCE

Klaviyo Jun 2024 — Present
Back-end Software Engineer / Events Pipeline *Hybrid, Boston, MA*

- Maintained and enhanced a distributed events pipeline processing billions of events daily, ensuring high reliability and performance to support hundreds of thousands of customers
- Led development of an asynchronous system to replace a high-throughput component of the pipeline, significantly improving scalability and reducing infrastructure costs
- Built internal tooling to support data backfills and streamline incident recovery, reducing operational burden following pipeline disruptions
- Coordinated cross-team communication and collaboration to migrate key services, facilitating successful change of ownership and knowledge transfer

Kyruus Dec 2022 — Feb 2023
Senior Full-stack Software Engineer / API *Remote*

- Delivered the API for our next-generation platform, enabling customer integrations with provider data

Dec 2020 — Dec 2022
Senior Back-end Software Engineer / Pipeline Operations *Remote*

- Created tools to automate the customer onboarding process, reducing engineering costs and accelerating delivery time
- Architected and implemented a Jenkins Pipeline-based system to replace a head-of-line blocking Jenkins job workflow, improving pipeline reliability, concurrency, and retryability
- Reduced load on internal and external APIs by 50% by eliminating redundant data retrieval steps in the pipeline process

Mar 2019 — Dec 2020
Back-end Software Engineer / Customer Onboarding *Boston, MA*

- Worked closely with new customers to onboard their providers onto our pipeline
- Standardized customer data, reducing nightly pipeline failures by 20%

PrimePay Jan 2018 — Mar 2019
Back-end Software Engineer / Tax Filing *West Chester, PA*

- Refactored a legacy tax filing engine to manage and file payroll taxes for tens of thousands of clients
- Designed data visualization and data conversion tools for state and federal tax forms and files (PDF, TXT, XML)

SKILLS

Languages	Python, SQL, NoSQL, HTML, CSS, Javascript, C#
Tools	Git, MongoDB, PostgreSQL, AWS (Lambda, EC2, RDS, CloudFront, etc.), Jenkins, LaTeX
Frameworks	FastAPI, Pydantic, Flask, Chalice, Leaflet, LINQ
Concepts	REST API, object-oriented design, ETL, test-driven development, Agile

PROJECTS

Arcavios — Building a collection of tools for managing Magic: the Gathering data	Jun 2023 - Present
Streamlabs Chatbot — Built a plugin to support automatic handling of picture-in-picture replays during livestreams	Spring 2022
G-Player Visualization Tool — Research Assistant for Dr. Alessandro Canossa	2015 — 2016
Cell Phone Intervention Trial for You (CITY) — Research Assistant for Dr. Stephen Intille	Summer 2013

EDUCATION

Bachelor of Science in Computer Science, *Northeastern University*

ACTIVITIES AND INTERESTS

Volunteer Fire Lookout	2024