

TECHNICAL EXPERIENCE

<b>Klaviyo</b> <i>Back-end Software Engineer / Events Pipeline</i>	<b>Jun 2024 — Present</b> <i>Hybrid, Boston, MA</i>
<ul style="list-style-type: none"><li>Enhanced a distributed events pipeline handling 5B+ events daily ( 50K QPS), improving P99 latency by 7% for hundreds of thousands of customers</li><li>Directed migration of a critical Kafka cluster to a dedicated team, coordinating documentation, scripts, and training to enable independent ownership, boost stability, and reduce Kafka-related incidents by 10%</li><li>Optimized a high-throughput pipeline component with asynchronous Python, Redis, and DynamoDB, using batched requests to improve scalability and cut infrastructure costs</li><li>Developed Airflow/EMR tooling to identify and backfill missing downstream events, reducing engineer recovery time and preventing customer-facing data inconsistencies</li></ul>	
<b>Kyruus</b> <i>Senior Full-stack Software Engineer / API</i>	<b>Dec 2022 — Feb 2023</b> <i>Remote</i>
<ul style="list-style-type: none"><li>Delivered the API for our next-generation platform, enabling customer integrations with provider data</li></ul>	
<i>Senior Back-end Software Engineer / Pipeline Operations</i>	<b>Dec 2020 — Dec 2022</b> <i>Remote</i>
<ul style="list-style-type: none"><li>Created tools to automate the customer onboarding process, reducing engineering costs and accelerating delivery time</li><li>Architected and implemented a Jenkins Pipeline-based system to replace a head-of-line blocking Jenkins job workflow, improving pipeline reliability, concurrency, and retryability</li><li>Reduced load on internal and external APIs by 50% by eliminating redundant data retrieval steps in the pipeline process</li></ul>	
<i>Back-end Software Engineer / Customer Onboarding</i>	<b>Mar 2019 — Dec 2020</b> <i>Boston, MA</i>
<ul style="list-style-type: none"><li>Worked closely with new customers to onboard their providers onto our pipeline</li><li>Standardized customer data, reducing nightly pipeline failures by 20%</li></ul>	
<b>PrimePay</b> <i>Back-end Software Engineer / Tax Filing</i>	<b>Jan 2018 — Mar 2019</b> <i>West Chester, PA</i>
<ul style="list-style-type: none"><li>Refactored a legacy tax filing engine to manage and file payroll taxes for tens of thousands of clients</li><li>Designed data visualization and data conversion tools for state and federal tax forms and files (PDF, TXT, XML)</li></ul>	

SKILLS

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

PROJECTS

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

EDUCATION

**Bachelor of Science in Computer Science**, *Northeastern University*

ACTIVITIES AND INTERESTS

Volunteer Fire Lookout	2024
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