

David Sevilla

☎ (908) 300-7887
✉ me@davidqsevilla.com
in david-sevilla
📄 DQSevilla

Experience

- May 2022 – Present **Software Engineer II**, *Datadog*, New York, NY
Worked on an internal developer platform for building API backend microservices.
 - Wrote and **open-sourced** a serialization package for the **JSON:API** format. [Go]
 - Designed a domain-specific language for defining HTTP services. Generated boilerplate server code, dependency injection code, and OpenAPI spec documents. [Go]
 - Wrote core packages of a backend web framework for route registration, schema validation, error handling, thread-safe header access, and more. [Go]
 - Built a CLI for creating, managing, and deploying API microservices. [Go, Bazel]
 - Participated in on-call and internal user support rotations. Resolved incidents, wrote postmortems, and improved the reliability of our web backends.
- Mar 2021 – May 2022 **Software Engineer**, *Datadog*, New York, NY
 - Designed a framework for running health checks and API contract tests against canary versions of the web app, which halted deployments upon failure. [Go, k8s]
 - Wrote and published an API for restricting access to Datadog via IP address **allow-lists**. Worked directly with customers to iterate on the user experience. [Python, SQL]
 - Lead a group of engineers called the API Standards Guild to improve web API design across Datadog. Authored RFCs, held office hours, and wrote enforcement tools.
 - Mentored interns and new engineers, helping them finish medium-sized projects.
- Sep 2020 – Dec 2020 **Software Engineer Intern**, *Datadog*, New York, NY
Supported the initial stages of a smarter edge infrastructure for web APIs.
 - Instrumented Envoy Proxy sidecars for dynamic service discovery. [Go, k8s]
 - Built a tool to render and merge text templates into Envoy configuration files. [Go]
 - Improved the reliability and performance of several core Datadog APIs. [Python]
- Jun 2020 – Aug 2020 **Software Engineer Intern**, *Facebook*, Menlo Park, CA
Reduced behavior testing time for search result rankers from several hours to minutes.
 - Designed efficient Python bindings for a search result ranker library. [C++]
 - Wrote a wrapper library that reduced testing time by 200% with parallel batch processing and optimized search result queries. [Python, SQL]
- Jun 2019 – Aug 2019 **Software Engineer Intern**, *JPMorgan Chase*, Jersey City, NJ
- Jun 2018 – Aug 2018
 - Wrote REST endpoints for a financial forecasting service with Spring Boot and Hibernate (an ORM). Moved parts of the service into cloud-deployed microservices. [Java, SQL]
 - Implemented a data pipeline for visualizing computations of a financial risk simulator using Spark, Tableau, and various shell scripts. [Java, Python, Bash, SQL]

Education

- Jan 2018 – Dec 2020 **M.S. Computer Science**, *Stevens Institute of Technology*, Hoboken, NJ
GPA: **3.56/4.0**
 - Accepted to this accelerated masters program due to my academic performance.
- Aug 2016 – May 2020 **B.S. Computer Science**, *Stevens Institute of Technology*, Hoboken, NJ
GPA: **3.75/4.0**
Minor in Pure and Applied Mathematics
 - Worked as a teaching assistant for CS courses during most semesters.

Skills

Languages	Go, Python, C, Java, JavaScript, Lua, OCaml, Bash, SQL
Technologies	GNU/Linux, Git, Datadog, Kubernetes, Bazel, Helm, Temporal