

# Jagger Brulato

Software Engineer

Programming is the art of turning a large problem into a series of smaller ones.



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## WORK EXPERIENCE

### Platform Engineer

Red Ventures

08/2024 - 08/2025

Charlotte, NC

Enable all RV engineers to serve clients efficiently and effectively using a streamlined internal application development and deployment platform.

Achievements/Tasks

- **Design, prototype, and develop flexible applications for common use cases leveraging Terraform** to make launching new applications as simple as clicking a button.
- **Monitor live applications** and processes through an internal dashboard, **allowing engineers to analyze cost, availability, and other metrics** which inform our architecture.
- Work with client teams to develop infrastructure to support their use-cases, allowing future teams to spin up similar projects in minutes.

Contact: Alex Launi (Manager/Host) - alauni@redventures.com

### L4 Software Engineer

Google

06/2021 - 02/2024

Sunnyvale, CA

Achievements

- **Designed, from scratch, a distributed system & live integration service to automate tech stack integrations** between Google and its acquisitions, saving hundreds of man-hours and ETL software licenses.
- Led a team of L3 developers & TVCs to build a **high performance, customizable, re-usable, self-service integration platform** for all of Google's M&A needs.
- Built the codebase from the first line of code all the way to the current live service; **including CI/CD, compute instances, security & role management, data encryption, parallelization, framework development, custom transforms & endpoints**, as well as many other development/deployment details.
- We surface useful data and metrics which inform other parts of Google. **Our product is used by many other teams at Google to power their systems**, including accounting, HR, Google Cloud, and our acquisitions.

Contact: Kewaljit Nagpal (Manager) - knagpal@google.com

### Software Engineer

Lowe's Home Improvement

03/2024 - 06/2024

Charlotte, NC

Achievements/Tasks

- Built and globally deployed several features to the Central Price Master via Spring Boot microservices run on Kubernetes.
- Maintained 25+ code repositories to ensure our tier 1 product is hyper-available and stable under underlying hardware and OS changes.

## SKILLS

Distributed Systems

Machine Learning

Cloud (GCP/Azure/AWS)

Java

C/C++

Python

C#

OCaml

Haskell

Typescript

CI/CD

Graphics

UI/UX

iOS Dev (Swift)

Android Dev (Java/Kotlin)

WebDev

Type Theory/Systems

Programming Language Design

Beam

Role-based Access Control (RBAC)

Kafka

Game Dev

Databases

Monitoring

Data Security

Grafana

Terraform

## PERSONAL PROJECTS

### JaggerScript

- Designed my own language to practice compiler design.
- Implemented an interpreter for the web and developed a simple web-based IDE with code examples.
- Try it out at: <https://jagger.netlify.app/jaggerscript>

### Cornell Digital Tech & Innovation

(09/2017 - 05/2021)

- I was selected as Developer Lead for Cornell DTI, an app development organization sanctioned by the College of Engineering with 100+ members.
- During my tenure we developed: a ride-hailing app for Disability Services, a course-planner with an automatic major requirement solver (graph-based), an office hours web-app, a study group app for professors with automatic preference matching, web-dev and design courses, an apartment listing app, and more.

## EDUCATION

BA - Computer Science

BA - Economics

Cornell University

08/2017 - 05/2021