Joseph Shetaye

github.com/shetaye   (952) 221 7996   shetaye@stanford.edu

Work Experience

Full Stack Software Engineer	**Tibex Technology**	*2019– 2023*

- Lead the development of full stack, cloud native applications
  - *Led the development of a web app and API that is deployed on Microsoft Azure cloud*
- Manage solutions through their entire lifecycle
- Integrate private and public sector APIs
  - *Developed an evidence discovery integration that sends over 3,000 discoverable files from prosecutors to defense attorneys per month, significantly improving prosecutor and defense attorney productivity*
  - *Developed an integration with Axon body cameras that has processed over 7,000 video and photo files since implementation in December of 2022*
- Work with enterprise systems
- Discuss project requirements with stakeholders, overcome boundary between technical and non-technical communication

Software Engineering Intern	**Bustout Solutions**	*2018 – 2019*

- Work with cloud and Big Data tooling to process tens of gigabytes of text and perform trillions of operations
  - *Owned a project to perform domain analysis on every .com domain using Google's BigQuery Big Data tooling*
- Work side-by-side (pair-programming) with developers in building software for diverse stakeholders
  - *Pair programmed a Kinect-powered interactive art display for a children's hospital*

Education

Computer Science, B.S.	**Stanford University**	*2022 - Present*

- Expected graduation: 2026
- 4.04 GPA

Undeclared	**University of Minnesota**	*2020-2022*

Projects

Swish

- Video sharing platform
- Microservice architecture, deployed using Kubernetes
- Services written in Javascript (Typescript)
- Web app written in Vue, cross platform mobile app written in Flutter

Athena	*github.com/shetaye/athena*

- Discord chat bot with a web interface
- Deployed in a containerized environment
- Web portal written in Vue, business logic written in Javascript (Typescript)

Omega CPU	*github.com/shetaye/omega-cpu*

- 32-bit RISC CPU roughly based on MIPS architecture
- Written in VHDL
- Deployed on Xilinx Spartan FPGA

Skills

Languages	**Frameworks & Libraries**	**Tools & Platforms**
JavaScript (TypeScript)	Vue, React, Node.js (Express.js)	AWS, GCP, Azure
Python	Pytorch, Tensorflow	Docker (Docker compose)
Go	SwiftUI	Kubernetes (Bare metal, longhorn)
Dart	Flutter	HashiCorp (Terraform)
Swift	Firebase	HCL Domino
C		REST APIs

Interpersonal

Communication: *Written (email, slack, pull requests) and verbal communication, technical and non-technical*
Self-starter: *Enthusiastic contribution of novel ideas*