Joseph Shetaye

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EDUCATION

Stanford University Stanford, CA
Bachelor of Science in Computer Science, GPA: 4.04/4.00 Expected Jun 2026
Relevant Coursework: Artificial Intelligence: Principles and Techniques, Design and Analysis of Algorithms, Operating Systems Principles

TECHNICAL SKILLS

Programming Languages: Go, Java, JavaScript, Vue, React, Python, HTML, CSS, C++, C, Dart
Tooling and Platforms: IDEA, GoLand, PyCharm, Visual Studio, Git, Amazon Web Services, Google Cloud Platform, Microsoft Azure, Docker, Kubernetes, HashiCorp Terraform, GitHub Actions, OpenAPI, OpenAI APIs, Flutter, Unix, Bash

WORK EXPERIENCE

Tibex Technology Minneapolis, MN
Full Stack Software Engineer Dec 2019 – Sep 2023
- Led the development of cloud native web applications.
- Developed an evidence discovery API 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.
- Discussed project requirements with stakeholders and overcame the boundary between technical and non-technical communication.

Bustout Solutions Minneapolis, MN
Software Engineering Intern Sep 2018 – Dec 2019
- Owned a project to perform domain analysis on every .com domain using Google's BigQuery and demoed the project to 400 developers and hobbyists at MinneDemo, a Minneapolis project showcase.
- Pair programmed a Kinect-powered interactive art display for a children's hospital.

PROJECTS

Swish (Vue, Flutter, TypeScript, Kubernetes, Terraform)
- Created a video sharing platform that prioritizes creator earnings.

Omega CPU (VHDL, Xilinx Spartan FPGA)
- Built a 32-bit reduced instruction set computer CPU roughly based on the MIPS architecture.
- Presented the CPU at the Minneapolis MakerFair

Athena (Vue, TypeScript, Docker)
- Developed a chat bot that automatically moderated Discord servers.
- Implemented direct democracy in Discord, moderation actions were performed only after a successful referendum.

Swagger.lss (Go, LotusScript)
- Wrote a Swagger API code generator for LotusScript that reduced SDK development time estimates by an order of magnitude.

LEADERSHIP AND PROFESSIONAL DEVELOPMENT

Management Leadership for Tomorrow Washington, DC
Career Preparation Fellow Jan 2024 – Present
- Accepted into a selective 18-month professional development program for high-achieving diverse talent.
- Complete business case studies and assignments to grow leadership and technical skills.
- Attend conferences hosted by industry leaders, such as Deloitte, LinkedIn, and Target

Stanford Student Space Initiative Stanford, CA
Satellite Team member, Payload and Software Sub Team Member Sep 2023 – Present
- Collaborate with other students to build to develop reliable control software for satellite systems.
- Improve code readability and structure across a 24k+ line Python codebase.

ADDITIONAL SKILLS AND INTERESTS

Proficient in several forms of communication (email, Slack, pull requests, software documentation)
Interested in government technology and the application of software in the service of the public.