

NAME

Alex Karle - web and dev-tools developer looking to work on more systems projects (especially FOSS)

SYNOPSIS

Proficient in: Python, Perl, JavaScript, *nix command line, man(1)

Experience with: Go, C, HTML, CSS, Terraform, and React

Contact: alex@alexkarle.com

WORK EXPERIENCE**Studio, Remote**

2021-10 - Present

Senior Software Engineer

- Reworked the internal payments system as contracts grew in complexity
- Wrote custom CLI tooling for bug triage and local development
- Led new-hire training, knowledge-sharing meetings, and interviews

2021-03 - 2021-10

Software Engineer

- Created a CMS to empower the curriculum team to own their edits
- Wrote a custom ETL pipeline to enable biz-ops to analyze sales data
- Added the first observability and alerting to our legacy infrastructure

MathWorks, Natick, MA

2018-09 - 2021-02

Software Engineer in Tooling

- Wrote novel CLI tooling for the unique needs of MathWorks devs
- Helped maintain on-prem servers through custom healthcheck tools

2018-07 - 2019-03

Associate Support Engineer

- Worked 50% of my time on tooling projects for the above tooling team
- Wrote tools for support engineers to use to streamline case-flow
- Fielded phone and email cases from engineering customers

2017-05 - 2017-08

Software Engineering Intern (MATLAB Compiler)

- Enhanced detection and storage of .M file dependencies

University of Massachusetts Amherst, Amherst, MA

2018-01 - 2018-05

Paid Programmer (Research with Ben Marlin)

2016-08 - 2017-05

Resident Assistant

2015-08 - 2016-05

Peer Mentor (Live-in First-Year Academic Advisor)

EDUCATION**University of Massachusetts Amherst (May 2018)**

- Dual Degrees in Computer Science (BS), Mathematics (BS), GPA: 4.0
- Commonwealth Honors College, Dean's Scholarship, John and Abigail Adams Scholarship

SEE ALSO

Portfolio/Blog: <https://alexkarle.com>