

Christopher Smith
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Education

2021 Bachelors in Software Engineering from Harrisburg University of Science and Technology
Expected date of graduation: Spring 2021
3.8 GPA

Skillset

Rust	C/C++	Node.js	MySQL	Protractor
TypeScript	Groovy	Git	Redis	REST
Docker	Grails	Bash	Let's Encrypt	Stripe
Kubernetes	HTML5	Linux	Traefik	Mailgun
Devops	CSS	ZFS	DNS	SSH
CI/CD	SASS	Docker Compose	HTTP	
Java	JavaScript	GitLab	DigitalOcean	
JavaFX	Angular	Nginx	NATS	
Python	Bootstrap	MariaDB	Karma	

Experience

2017-current **Lead software engineer at GivingTools** | givingtools.com

- I implemented the entire application.
- Application has transacted over \$30 million to date via cards and ACH.
- Managed small development team.
- Integrated 5 different payment processors into a unified system.
- Technologies: Angular, Rust, Node.js, Java, MySQL, Redis, Docker, Kubernetes.
- Worked closely with business, marketing departments, and customers to determine requirements and manage the product development lifecycle.

2019-current **Development Lead at Harrisburg University**

- Design and implement software with small team of 6 people to run on Harrisburg University's server cluster.
- Software helps undergraduate and graduate programs.
- Utilized technologies including Kubernetes, OpenStack, Rust, and Node.js.

Freelance projects

TacoDNS | gitlab.com/chris13524/tacodns

- Implemented an authoritative DNS server.
- Read and compared RFCs to implement the DNS protocol.
- Written in Rust.
- Much fun.

Reverse engineered keyboard to develop custom light controlling software

- Worked with a small team to reverse engineering the Das Keyboard 5Q keyboard.
- Used Wireshark to figure out the USB protocol being used.
- Wrote several Node.js-based libraries and applications to talk to the keyboard and control its lighting effects.

PrivatePM | privatepm.com

- A free service that makes sharing sensitive information (such as passwords) easy and secure.
- Developed using Angular, Node.js, and Redis.

Kill Bill consulting

- Consulting with Textellent's developers and advised on Kill Bill integration.

Mail Bucket | mailbucket.io

- A free service that enables developers writing test cases to easily test their email sending stack.
- Developed with Grails.

Project Asiago

- Operating system

Derby Pro

- Pinewood derby management software. Written in Java using JavaFX. Requires paid authentication and self-updates.