



Jacob Evan Shreve

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Ambitious, adaptable software engineer with 5+ years full-stack web application development experience and a focus on the security mindset.

Experience

Lead Engineer, Wellopp

Jan 2016-Aug 2019

Wellopp is a healthcare startup dedicated to reducing unnecessary hospital readmissions.

- Directed development of the SMS interface for Wellopp products.
- Mentored 2 interns and got them up to speed in our tech stack.
- Maintained provider-facing patient data dashboard.
- Transitioned infrastructure from Ubuntu VMs to Kubernetes and wrote the company's documentation on the subject.

Sole Proprietor, Shreve Labs, LLC

Aug 2012-Present

Shreve Labs is the company I created for my freelance work and side projects.

- Developed and maintained software for diverse clients around the world.
- Administered accounting and taxes for a small business.

Web Developer, Online Ventures

Apr 2012-May 2014

Online Ventures is a consultancy that improves clients' business performance with software.

- Built custom management software for several local businesses.

Education

University of Michigan

Expected May 2020

Bachelor's in Computer Science in Engineering

- *Course Work:* Cryptography, Computer Architecture, Computer Security, Operating Systems, Foundations of CS, Discrete Mathematics, Statistics, Computer Game Design
- *Paper: Post-Quantum Crypto* Co-wrote a paper explaining lattice-based cryptosystems.
- *Project: Secret Sharing* Created a library which implements Shamir's Secret Sharing.
- *Project: Web Security* Produced SQL-injection, XSS, and CSRF exploits.
- *Project: Network Security* Used aircrack, nmap, and telnet to break into a network.
- *Project: Network File System* Developed a concurrent, remote, crash-safe file system.

Skills

- Proficiency in Golang, C++, Ruby, HTML/CS/JS, SQL, Unity3D/C#
- Service deployment with Nginx, Docker and Kubernetes
- Network examination with nmap and Wireshark
- Collaborating in teams with Git
- Writing documentation of high-level processes and code
- Linux power user: Emacs, i3wm, Fish Shell, tons of bash scripts