



# \*Kim Zick

Hi! I am a self-automated individual, with 18 years of general software development experience, around 9 of which are represented on [GitLab](#). I primarily design and build small web applications, system applications targeting the CLI, and have experience designing and building frontend UI.

I also really enjoy working with others to build amazing things, wear hats, write code, and chew bubble gum.

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GitLab: <https://gitlab.com/rummik>

Keybase: <https://keybase.io/rummik>

Resume: <https://zick.kim/resume/>

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Location: Pittsburgh, PA 15221

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## Skills

Languages: TypeScript (TSX), JavaScript (browsers, [Node.js](#), JSX), shell (Zsh, Bash), PHP, SQL (MySQL, Postgres), JSON, Twig, [Swig](#), EJS, Savant3, CSS (CSS3, Less, Stylus)

Markup Languages: Markdown (vanilla, GitHub), YAML, XML, HTML (XHTML, HTML5), JSONML

Source Control: Git, Mercurial

Documentation: JSDoc, Doxygen

Testing: Concourse, Travis CI, Circle CI, [Gulp](#), [Grunt](#), Karma, [Mocha](#), [Dalek.js](#), [JSHint](#), Cucumber (Ruby), [Webdriver.io](#)

Libraries & Frameworks: React, Angular, Underscore, [Lodash](#), jQuery, [Zepto](#), [Dabble](#), Socket.io, Bootstrap, Slim, [Express](#), Propel, [Browserify](#), Angular, [VanillaJS](#)

HTTP Servers: Nginx (with PHP-FPM), Apache 2

Database Servers: MySQL, Postgres, MongoDB, SQLite

Operating Systems: Linux (Debian, Ubuntu, CentOS, NixOS)

Misc: [CloudFlare](#), [NPM](#), [Yarn](#), [Composer](#), [Antigen](#)

# Work History

## Senior DevOps Engineer - Carnegie Robotics (September 2019 → August 2020)

## Software Engineer III - AccelaSchool (March 2019 -> August 2019)

## Software Engineer, Development Lead - Clarabyte (February 2016 → June 2018)

Lead a team of engineers through the process of developing new data security tools and asset management solutions for refurbishers. This was a continuation of the work I was doing at e360 Technologies.

» Tools: Node.js, Electron, Angular, Circle CI, Mocha, HTML, CSS, CloudFlare, Linux (Ubuntu, NixOS), SQLite, Webdriver

## Lead Technician - e360 Technologies (March 2015 → February 2016)

Developed new inventory management systems and hardware refurbishment/testing methods to streamline the refurbishment, recycling, and resale processes, which were eventually used in the development of commercial products at Clarabyte.

» Tools: HTML, CSS, PHP, Twig, Underscore, Zepto, CloudFlare, Node.js, Mocha, Express, Linux (Ubuntu)

## Software Engineer - UPMC TDC (May 2014 → November 2014)

Worked with a team of engineers to build a unique experience for medical professionals to navigate patient information.

» Tools: Git, Cucumber, Angular, Gulp, Node.js, HTML, CSS

## Contributor - Gratipay (January 2013 → January 2015)

Primarily maintained and contributed to the JavaScript portions of the Gratipay codebase, including the grtp.co widgets, and JavaScript testing and build system.

» Tools: Git, Nginx, Underscore, Zepto, JSONML, Dalek.js, Travis CI, Webdriver

## Open-Sourceress - Chameleoid (January 2009 → Present)

My general umbrella for my various open-source developments. Currently focusing on developing open-source software and hardware that helps folks with disabilities, as well as continuing development on a unique password management solution (see Telepathy).

» Tools: Various (Git, Mercurial, CI services, testing frameworks, PHP frameworks, and JS frameworks, templating engines, database servers, Linux)

# Work Samples

Much of my recent work is available on [GitLab](#), and mirrored on [GitHub](#). What isn't listed here can be found on [my GitLab profile](#) by viewing [my public repositories](#).

## Shellcast / TTY.tv - Easy TTY broadcasting

Shellcast broadcasts a terminal to a public (or private) URL, usually on tty.tv. The idea was to have something similar to twitch.tv, but for programmers, MUD/Mush games, and anything that runs on the CLI.

- » Tools: [Node.js](#), HTML5, CSS3, [Express](#), [Underscore](#), Socket.io, [Swig](#), PTY.js, Term.js
- » <https://tty.tv>
- » <https://gitlab.com/chameleoid/tty.tv/shellcast>

## Telepathy - A telepathic password manager

I wanted a password manager that didn't store any information on a server, but still had the ability to retrieve the right password from any device.

Telepathy solves this by using a user-supplied generation seed, username, and domain name, then hashing (default is SHA256) and base converting the result.

It's also built with a responsive layout, and mobile webapp support. (It includes an icon used when being added to an Android/iOS homescreen, and looks pretty on small screens ☺)

- » Tools: [Node.js](#), jQuery, [Grunt](#), [JSHint](#), Karma, [Mocha](#), [Swig](#), [Stylus](#), HTML5, CSS3
- » <https://telepathy.pw>
- » <https://gitlab.com/chameleoid/telepathy>

## 9k1.us

My personal, private, paste/file bin, and URL shortener. It also provides LMGTFY-like search functionality and a simple API for determining your public IP.

- » Tools: JavaScript (search), Typescript, Nest.js, Yarn, [Node.js](#)
- » <https://9k1.us>
- » <https://9k1.us/ip>
- » <https://9k1.us/search>
- » <https://gitlab.com/rummik/9k1.us>