Shane Tully

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Experience

Karat, Inc.   **Seattle, Washington**
Senior Software/DevOps Engineer   **January 2014 - Present**

- Built core product and supporting infrastructure with Ruby on Rails as founding engineer at company.
- Deployed and managed company infrastructure and data security on AWS with Terraform.
- Scaled interviewing capacity to 150+ interviews/day by automating scheduling, recording, and post-processing.
- Formulated structured scoring framework for assessing interviews of software engineering candidates.
- Conducted 500+ interviews.

Mozilla Corporation   **San Francisco, California**
Software Engineering Intern   **May 2013 - August 2013**

- Implemented contacts WebAPI in Firefox for Android.
- Created library for the Gecko engine to be used in third-party Android applications.
- Fixed various bugs in Firefox for Android.

Pennsylvania State University Chemistry Department   **University Park, Pennsylvania**
Web Developer   **June 2011 - December 2013**

- Developed online course and learning platform for university chemistry courses with Drupal and PHP.
- Built web-based interactive atomic orbital visualizations with JavaScript and Java.
- Managed Git server for team developers.

Education

Bachelor of Science, Computer Science   December 2013
Pennsylvania State University, University Park, PA   Cumulative GPA: 3.23/4.00

Activities & Projects

- Free and open source software contributor: https://github.com/shanet.
- Ten years Linux and server administration experience.
- Developed rocket telemetry system with embedded C++ on ARM architecture, Android, QT, and Ncurses control clients, and corresponding test suite.
- Volunteered as instructor for Girls Who Code teaching computer science fundamentals to middle school and high school girls in Bothell WA, 2015 - 2017.
- Developed AES encrypted, cross-platform chat application with Python, QT, and OpenSSL.
- Volunteered as webmaster and officer for the Penn State ACM student chapter, 2011 - 2013.
- Built encrypted server and client for controlling ALSA on Linux desktops with C++, OpenSSL, and Android.

Certifications

- FAA certified instrument rated private pilot.
- FCC licensed amateur radio operator.
- NAR certified level 2 high power rocketry.