

Andrew Hannebrink

Eugene, OR
(650) 888 - 6552
andrewhannebrink@gmail.com

LinkedIn: [linkedin.com/in/andrewhannebrink](https://www.linkedin.com/in/andrewhannebrink) **GitHub:** github.com/andrewhannebrink **Portfolio:** andrewhannebrink.com

TECHNICAL SKILLS

Languages & Frameworks: JavaScript (ES5-ES9, Angular 1-6, TypeScript, Node.js, Express, D3.js, jQuery), Python, CSS3 (Sass, Grid, FlexBox), HTML5 (Canvas, Jade, Soy), SQL, MongoDB, Firebase Realtime DB, C++, Java, MATLAB, R
Environments: Firebase, AWS, Ubuntu, OSX, VirtualBox, Bash, Docker, Chrome Dev Tools, Google Cloud Functions, Ionic 4, Adobe PhoneGap, Jenkins, VIM, PhpStorm, Eclipse, Visual Studio, Webpack, Grunt, Gulp, JSHint, Jasmine

EMPLOYMENT HISTORY

Founder and CEO | KnoFlux | Remote

2018 - Present

- Solely authored Facebook's campus bike-sharing mobile web app for admins with Angular 6 and Firebase.
- Visually represented the live flux of 850 bikes across 48 lobbies, allowing >40 staff members to make hundreds of new real-time insights for location balancing. Currently archiving >30,000 user-submitted entries/month.
- Prevented data usage bill from exponentiating into the >\$1,000 range by refactoring database schema and queries, while maintaining the app's real-time feel, and continuing to index every data point in existence.
- Managed password-protected user accounts and sign-up UI/UX by forking my open-source repo, Authencado.

Front-End Software Engineer | Zoosk | San Francisco, CA

2016 - 2017

- Rapidly delivered features for the world's 2nd largest dating platform with Angular 1, Node.js, and Google Closure UI/Library for desktop and mobile browsers in a continuous integration development cycle.
- Implemented country-specific UI experiments that simplified profile interactions and improved user experience, resulting in 30% more accepted greetings, and 7% more bookings.
- Led technical makeover of our Help Center which curtailed customer support emails, saving us from hiring a full-time employee, while still dynamically supplying users contact methods in 23 languages across 39 locales.

Front-End Software Engineer | Net Power & Light (Acquired by Wickr) | San Francisco, CA

2016

- Worked in a 6-engineer team to develop a web and iOS app for video conferencing, live document and image sharing, and synchronized video streaming using AngularJS, WebRTC via Licode, and UI-Bootstrap.
- Greatly reduced vectors for XSS attacks by 99.9% by architecting app-wide form validation using combination of custom and existing Angular directives for sanitizing inputs and whitelisting characters.
- Followed JavaScript OOP principles to create module for panning and zooming through content in real time.

Software Engineer | Twin Prime (Acquired by Salesforce) | Redwood City, CA

2014 - 2015

- Saved company ~\$20,000 yearly by improving internal response time to key customer events through Jenkins monitored email report system with a Python script pulling data from MongoDB, PostgreSQL, and AWS S3.
- Reduced load times from >20 seconds to <1 second for clients with ~100gb of data by deploying Redis caching layer to decrease page load-time due to costly SQL queries.

Assistant UNIX Systems Administrator | Washington University, St. Louis, MO

2013 - 2014

- Architected fully automated Python/MySQL system for parsing daily Infoblox DHCP log files, dynamically tracking ACK events, deleting old records and extending captive portal leases by 3 months with Infoblox API.
 - Wrote server-side scripts for monitoring, recording and searching when/where a user is logged into campus access points (Cisco or Meru), using Python, crontab, and SQLite3, saving the school ~\$25,000 annually.
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RECENT PROJECTS

Software Engineer | Authencado.tk | [live](#)

2018 - Present

- Published production-ready starter repo for responsive Angular and Firebase mobile web apps that use authentication via email confirmation, Facebook, Google, or Twitter, and credit card payments via Stripe.
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EDUCATION

B.A Computer Science & B.A Math (Statistics and Probability), *Washington University in St. Louis, MO*

2013