

Peter Krieg

339-225-0673 • pkrieg2@gmail.com
peterkrieg.com

Objective

Motivated software engineer with math/physics background. Passionate about development best practices and enjoys tackling challenging problems through code.

Skills

- Front end: JavaScript (ES6+), Angular, Typescript, React, Redux, d3, jQuery, CSS/SCSS, HTML, Highcharts, Bootstrap, Electron
 - Back end: Node.js, Express, PostgreSQL, MongoDB, AWS services, Docker
 - Workflow: Git, GitHub, Atlassian suite, agile environment, Jenkins CI, TDD
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Work History

Freelance Software Engineer

June '14 – Present

- Started as a web developer, progressing to building full stack web applications from the ground up for clients

Software Engineer, Threat Stack

Aug '18 – Apr '19

- Develop high volume (~500k events / second) distributed system to replace old core event pipeline. This was written in scala, akka, and kafka, replacing a node.js project
- Build endpoints for public-facing API, while improving performance and documentation

Software Engineer, ERT

Jul '17 – Aug '18

- Develop modern, data-intensive web dashboards using Angular 5+, Typescript, and D3
- Design and implement RESTful APIs using Node.js and Express
- Prototype schema relationships for complex clinical trial data app involving 100+ SQL tables
- Manage company devops, including AWS EC2, Beanstalk, and SQS

Lead Engineer, PiraShield

Jul '16 – Jun '18

- Co-founder of MassChallenge-participating startup, guiding from inception until acquisition
- Lead frontend engineer, developing interactive, client-facing dashboards and data visualization tools using Angular/Highcharts, and later transitioning to React/Redux/d3
- Architect main company product - the piracy scanner - automatically processing millions of webpages/week using AWS cloud services (EC2, ECS, Beanstalk, auto-scaling, etc)
- Led company's database switch from MongoDB to PostgreSQL
- Introduced TDD to development team and maintained 100% test coverage

Software Developer, COMPanion Corporation

Feb '16 – Jul '16

- Front end developer maintaining and developing new features for company's products
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Education

Bates College B.S. Degree in Physics, Math Minor, GPA: 3.6

Class of 2015

- Physics class tutor and laboratory teaching assistant
- Co-founded a Cub Scout Pack at a housing unit dedicated for Somali immigrants aged 6-10