

Brian Kung, Software Engineer

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<https://briankung.dev>

SUMMARY

Brian is an experienced full stack web developer who has recently been a stay at home dad. He has mastered diaper changing and making truck noises and is now looking for career growth opportunities in more traditional web stacks.

EXPERIENCE

Hologram, Inc., Senior Software Engineer 2022-02-07 — 2022-06-08

- Split up a monolithic PHP billing service into microservices and deployed it to AWS
- Gave talks, 1:1 tutorials, and wrote documentation and onboarding material
- Spearheaded initiative to evaluate frontend end-to-end testing frameworks resulting in implementing Playwright

Knotel, Senior Software Engineer 2019-08-14 — 2020-01-06

- Implemented property manager batch photo and file upload capability in Rails backend and custom frontend
- Enforced code quality standards by implementing continuous integration to build and test code with GitHub Actions
- Added support for property managers to enter new marketplaces
- Added custom fields on the frontend supported by data migrations on the backend

LiveWatch, SOFTWARE ENGINEER 2017-06-05 — 2018-04-03

- Rewrote the checkout workflow from Rails views to API driven single page checkout with VueJS and Vuex
- Wrote credit card verification and fraud prevention for thousands of transactions per month
- Added a DocuSign contract signing workflow to customer signup using responsive design
- Detected and mitigated a memory bloat issue in the admin panel using Scout APM
- Added a DocuSign contract signing workflow to customer signup
- Implemented discounted plans marketing plans

Project Credo, COFOUNDER 2014-06-21 — 2017-03-16

- Investigated product market fit for academics and academic institutions using the Lean Canvas framework
- Lead prototyping in a full-stack capacity, building out the backend API in Rails as well as the frontend in VueJS
- Solicited and hosted user experience interviews for prototype web application
- Reviewed and provided feedback on open source contributions
- Met with potential investors

Floship, SOFTWARE ENGINEER 2015-05-10 — 2015-12-31

- Implemented a customer billing dashboard with Python / Django on the backend and MarionetteJS on the frontend
- Reduced operations time spent by ~20% per week by enabling CSV and image upload capabilities
- Enabled enterprise customers self-service payments with Braintree integration
- Implemented user authentication and SPA frontend features
- Saved project deadline by pre-rendering thousands of images

Project Euler Sprint, ORGANIZER 2013-04-29 — 2019-04-29

- Organically grew the meetup to hundreds of members and donors
- Created game rules for projecteuler.net, ran monthly meetings
- Found sponsors for food and space and organized event times
- Developed eulersprint.org to track of game scores and spread rules

Open Source Contributions 2013 — 2022

- Added chunks() stdlib method to DataDog Vector platform (Rust): <https://briankung.dev/2022/08/18/contributing-to-the-vector-remap-language/>
 - Wrote a CC-CEDICT parser with parser combinators (Rust): <https://briankung.dev/2021/12/07/building-a-cedict-parser-in-rust-with-nom/>
 - Contributed to a Rust implementation of Ruby (Rust): <https://github.com/artichoke/artichoke/pull/1505>
 - Wrote a Chinese to pinyin CLI tool (Rust): <https://github.com/briankung/pinyin-tool>
 - Translated mental health app into Simplified Chinese (React Native): <https://github.com/Flaque/quirk/pull/79>
 - Fixed the oldest standing bug on lobste.rs (Ruby on Rails): <https://github.com/lobsters/lobsters/pull/659>
 - Other lobste.rs contributions: <https://github.com/lobsters/lobsters/issues?q=is%3Apr+author%3Abriankung>
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SKILLS

Technologies: Javascript, Ruby, Ruby on Rails, Dart, HTML, CSS, Bootstrap, Bulma, React, React Native, VueJS, Flutter, git, GitHub, PostgreSQL, Sqlite, Rust, Elixir, Heroku, Linode, Docker, Docker Compose, RSpec, Capybara, Selenium, AWS, EC2, S3, Linode, Ansible, Capistrano, Chef, MongoDB, Python, Django, CSV, Braintree, BackboneJS, MarionetteJS, Spree Ecommerce

People Skills: Git Flow, Agile, Lean Startup, MVP, Business Canvas, Meetup Organizer, User Interviews, Remote Collaboration, Distributed Teamwork, Public Speaking

LANGUAGES

English (*Native speaker*) , Chinese 普通话 (*Intermediate*)

INTERESTS

Biology [*Ethology, Ecosystems, Microbiology, Surviving Pandemics*], Movement Arts [*Dance, Martial Arts, Martial Arts Tricking, Parkour*], Language learning [*Chinese, Spanish, Korean*]