Kevin Burke

Present Address
1177 California #922
San Francisco, CA 94108

https://kev.inburke.com
https://github.com/kevinburke

Contact
kev@inburke.com
(925) 271-7005

EXPERIENCE

Shyp, *Engineer* — Ongoing

- Implemented pickup queueing system that boosted driver capacity 40%
- Wrote transaction library & added partial constraints to fix driver assignment errors
- Implemented database migration checklists and postmortem process
- Sped up test boot time by 96% - see shyp.github.io
- Identified/fixed severe defects in ORM/framework - see "Don't Use Sails"
- Fixed daily server crashes. Fixed numerous persistent oncall pain points

Twilio, San Francisco, CA, *Engineer* — Fall 2011 - March 2014

- Designed next generation API design, SDK libraries and documentation
- Conducted company's first user tests, discovered and fixed usability issues from these tests
- Designed and implemented A/B testing framework based on A/Bingo
- Fixed HAProxy configurations, timeouts for 50 services; added HTTP logging
- Organized, ran company's weekly demo show, code coaching

Twenty Milliseconds (20ms.net), *Writer* — July 2014 - December 2014

- Evaluated, wrote about virtual reality usability
- Lectured about VR UI challenges to college audience at Harvey Mudd
- Accumulated 10k+ site visits, hundreds of subscribers

Jenkins CI, *Engineer* — July 2013 - October 2014

- Wrote doony, a Jenkins theme used at Netflix, eBay, Instagram (700 Github stars)
- Ported theme from Doony to Jenkins core

requests/urllib3, *Engineer* — Ongoing

- Popular Python HTTP libraries with over 24 million downloads
- Added support for separate connect and read timeouts
- Added ability to disable Nagle's algorithm
- Designed, implemented custom Retry object so HTTP requests can be retried more easily

Atlassian (JIRA, Confluence, Bitbucket), San Francisco, CA, *Intern* — Summer 2010

- Used Google Analytics, SEO, improved IA design to reduce support load
- Deployed Virgil, a real-time suggestion engine for customers needing help
- Wrote popular internal blog series about problems with installation UX

Seva Mandir (charity organization), Udaipur, India, *Intern* — January - May 2010

- Designed custom homepage, donation page, e-mail newsletter and blog
- Conducted full-day Excel, Photoshop training sessions for entire staff
- Delivered recommendations, posters for raising job training dropout rate from 50%

TALKS

"Hacking Roller Coaster Tycoon with Genetic Algorithms and Go." OSCON 2015. bit.ly/kevinrct

"How to Write Documentation for Users that Don't Read." Write The Docs 2015. bit.ly/kevdocs

"Make your Microservices More Reliable." Signal 2015. bit.ly/kevhttp

"Designing Maintainable, Production-Ready Client Libraries." Twiliocon/API Strategy. bit.ly/kevapidesign

EDUCATION

Claremont McKenna College, Claremont, CA   September 2008 - May 2011
3.56 grade point average   *ICPC*: 27th Southern California Region

University of Pennsylvania, Philadelphia, PA   August 2006 - December 2007

TOOLS

Python, Go, Javascript, PHP, Bash, Haskell, NGINX, HAProxy, Chef, HTML/CSS