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EXPERIENCE

Go Programming Language, *Contributor*

- One of ~100-200 people with a "commit bit" for the standard library and tools
- Implemented Time.GoString for Go 1.17 release
- Added 15% speed improvement for JSON marshaling
- Added bot to congratulate first-time PR submitters, explain contribution process
- Improved golang.org UX/CSS, added many code examples and documentation fixes

Meter, San Francisco, *Engineer*

August 2019 - October 2021

- Built and deployed API and all server infrastructure (AWS, Terraform), next to zero downtime or performance issues
- Wrote automated provisioning, configuration, and update framework for on-prem devices (servers and access points)
- Developed interview framework, jobs pages, other crucial engineering processes

Rickover LLC, *Consultancy*

Spring 2016 - July 2019

- Helped companies scale their teams and scale their software
- Performed security audits; identified and fixed security vulnerabilities
- Researched and rewrote legacy software to match modern requirements
- Evaluated third-party software solutions and integrated them

Shyp, *Engineer*

Fall 2014 - Spring 2016

- Reduced total oncall pages per week as company underwent massive growth
- Wrote transaction library & added partial constraints to fix driver assignment errors
- Sped up test boot time by 96% - see shyp.github.io
- 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

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

Summer 2010

- Used Google Analytics, SEO, improved IA design to reduce support load

TALKS

“How to Write Documentation for Users that Don’t Read.” Write The Docs 2015. bit.ly/kevdocs

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

“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
3.56 grade point average

September 2008 - May 2011
ICPC: 27th Southern California Region

University of Pennsylvania, Philadelphia, PA

August 2006 - December 2007

TOOLS

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