Sumeet Agarwal

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https://github.com/sumeet

Coding and software engineering

15 years experience working with distributed web systems, open source stack
Full-time and freelance
Polyglot up from x86 ASM to Haskell
Expert in Rust, Python, Ruby, Go, JS
Fast at getting up to speed with existing systems & reading code, productive on day one
A clean and meticulous worker and well-experienced at planning and executing large-scale infrastructure migrations and refactors
Product engineering: Project leadership, planning, communication flow, project estimation and technical mentorship

Teaching, coaching, mentorship

3 years teaching experience, 1:1 tutoring, online streams and in-person workshops. Skill ranging between beginners to senior software engineer, ages 10-50

Experience

Self, 2018 - 2022

Teaching and tutoring

Tutoring for 7 software engineers on topics including advanced engineering, communication, and career growth
1:1 tutoring for children @ theCoderSchool SF
Led a 6-week in-person Rust workshop, mostly to engineers without systems programming experience: sfrust.com
Helped a mid-level web developer triple their salary with a 2-month in-depth curriculum, focused on demystifying their frameworks and software design
Group session leader at Formation.dev, helping 5-6 students at a time improve their coding skills

Consulting

One-person engineering team for property management startup taking over existing project: Go, Python, Django, Tensorflow, Ops, Frontend, Design, Distributed Systems, Web Scraping
Rescued a popular gardening Kickstarter project with performance and quality issues 1 week before launch: Rails, Stimulus.js
Shored up a backend for a successful startup with "contractor syndrome", a codebase that inherited many different ways of doing things, cutting the amount of time a dev needs to submit a new change to 1/4: Go, Node.js, Docker, continuous integration

4 other projects with 100% customer satisfaction rate

Language research

Language design competitions:
langjam0001 Overall Winner: tinyurl.com/smt-jam1
langjam0002 Runner-up: tinyurl.com/smt-jam2
Created a prototype for a visual programming language & structured editor

Remind, San Francisco, CA

Product and infrastructure engineer, 2015 – 2018

Worked on the Remind messaging platform, a messaging program connecting over 30 million parents, students and teachers in almost every school in the US. Led development on numerous products, including bulk administration tools for school and district leaders, and 2-way messaging between students, teachers and parents.

Devised several large-scale infrastructure projects, fixing performance issues unique to a high traffic messaging app with 30 million users, and implemented organization-wide changes to significantly reduce the app's error rate.

Ruby, Go, Python, React, Node.JS, RabbitMQ, Redis, PostgreSQL, DynamoDB, statsd

SocialChorus, San Francisco, CA

Senior product engineer, 2015

Maintained a web-based employee outreach SaaS, used by very large companies like Coca Cola and Target, in an XP (eXtreme Programming) environment. Test driven development and daily pair programming.

Ruby on Rails, CouchDB, PostgreSQL, Backbone.js

Yelp, San Francisco, CA

Software lead, 2010 – 2014

Lead developer on Yelp's consumer line of products, including Yelp Deals, Gift Certificates and food delivery. Worked on email deliverability, handling payments, large team project coordination, and pioneered more efficient testing and code organization methods.

Python, MySQL

Sogeti, Dayton, OH

Corporate IT, internal tools, 2009 – 2010

Worked on the in-house IT team of a 2000+ employee IT consulting firm based all over the US.

Built internal tools like wikis and blogs, so different branches could share information with each other
Administered Linux and Solaris servers
Built a internal employee catalog, synchronizing data between Microsoft Exchange and Oracle E-Business Suite
Implemented a web-based single site authentication system that worked on top of Active Directory

Rebuilt the company website, which had previously been built in Microsoft Frontpage and maintained by a single developer, into a CMS which the marketing department could update themselves

Python, Django, PHP

Education and background

Boston University, Bachelors in Computer Science – Boston, MA, 2008

Pre-university accomplishments

Worked with a team of volunteers to build VGMix, a web community where musicians shared music and feedback. MySQL, PHP, circa 2003 – 2006
Had a complex patch accepted into Adium IM client for auto-away
Managed and coded software for large (100+) IRC bot clusters
Linux SysAdmin certification at age 14
Learned to touch-type at 7, 100+ WPM by age 10
Became proficient with MS-DOS at age 5 from watching my cousin

Other interests

Running, functional programming, Zachtronics games, Advent of Code, Linux, tiling window managers