

JOHN SULLIVAN

20+ years programming with a growth mindset

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Shmeppy Sole Proprietor

2018 – Present

Javascript React.js PostgreSQL Node.js Rust Stripe Operational Transformation

- Created Shmeppy: a collaborative map editor for playing D&D and other TTRPGs remotely.
- Designed a user acquisition funnel that grew Shmeppy to 23,000+ users.
- Created an efficient backend that supported 55,000+ maps made up of 30+ million operations.
- Implemented [a novel set library](#) to help with traffic analysis.

Khan Academy Senior Software Engineer

2016 – 2018

Khan Academy Software Engineer

2014 – 2016

Python GAE Javascript React.js BigQuery Selenium Aphrodite

- Drove a successful multi-year, many-person effort to give users a locale-specific experience.
- Built the frontend for [Official SAT® Practice's](#) launch and then lead development across its stack.
- Represented the dev team in a long collaboration with [College Board's](#) engineers.
- Created the end-to-end testing system and negotiated free infrastructure for it from [Sauce Labs](#).

Galah Group Cofounder

2012 – 2014

Python uWSGI Nginx MongoDB ZeroMQ OpenVZ Flask Vagrant

- Created Galah: an automated grading system for programming assignments.
- Galah graded 150,000+ submissions in isolated OpenVZ containers.

Mozilla Software Engineer Intern

2014

C++11 Networking Win32 Bionic

Modernized the DNS system for Mozilla's products.

JetHead Development Software Engineer Intern

2012 and 2013

C++ CEA-608 CEA-708 Bash

Built the closed captioning system for their suite of set top boxes.

UC Riverside Supplemental Instructor Supervisor

2013 – 2014

UC Riverside Supplemental Instructor

2011 – 2013

Taught college students computer science.

Freelancer

2007 – 2013

Visual Basic 6 Win32 C# WPF NI-DAQmx

Completed 20+ contracts ranging from 1 to 36 month terms.