Vinney Cavallo
Software Developer

hi@vinneycavallo.com | 1-914-552-6614 | Rhode Island, USA

I am a Software Developer working mostly in the Full-Stack Web context since 2013 and increasingly moving into the Web3/decentralized space.

Highly self-directed, resourceful and curious (you've got to be when you're running your own consultancy), I'm accustomed to going from problem identification and investigation, through design and prototype and beyond to implementation, deployment and long-term maintenance.

Skills

`Ruby` `JavaScript/ES6` `Python` `Golang` `Ruby on Rails` `Vue.js` `React` `React Native` `Urbit/Hoon` `SQL/PostgreSQL` `NoSQL` `Testing and TDD` `Docker` `Bash` `Linux`

Experience

Founder and Lead Developer

exnilio • *software consultancy, New York, NY and Rhode Island, September 2016 - Present*

Founded a software consultancy through which I assemble and work on efficient teams of designers and developers to deliver custom digital solutions for individuals, small to medium businesses and government contracts. Notable projects include:

- **Justice System Support Program in Afghanistan. Case Management System for the Afghan courts, prisons and police.**
  - Custom Go web framework and Event-Driven API.
  - Large, complex, tri-lingual Vue.js UI with support for Jalali and Gregorian calendar systems.
- **Veterinary System Services staffing management web app**
  - Bespoke scheduling, HR and messaging software for a Colorado-based Veterinary staffing company serving dozens of large clients.
  - Ruby on Rails API, Vue.js UI, rich, Gmail-like messaging system, AWS-backed document library, email and SMS integrations.
- **Morgan & Morgan "For the People" iOS API**
  - Initial architecture design and subsequent development of Rails API supporting an iOS native app
- **WalkUp**
  - Ruby on Rails web and mobile app empowering tenants to pay their rent online and split bills with roommates.
  - Integration with Stripe payments and Lob check-writing/mailing APIs.

Senior Software Developer

Wondersauce • *digital agency, New York, NY, July 2015 - September 2016*

- Architected and developed custom Ruby on Rails web apps for clients including Google, Bill Blass and Milk Makeup
- Built test-driven integrations with Shopify, Twitter, Stripe and Bergen Logistics APIs

Full Stack Developer

Dopamine • *gamification agency, New York, NY, August 2014 - July 2015*

- Worked on a small team designing and building KPMG's gamified employee onboarding experience.
- Lead development on Rails/Angular-based in-browser game experience used to successfully generate survey data for Los Angeles International Airport during a major rennovation plan.

Education

Master of Science in Computer Science
Georgia Institute of Technology
Atlanta, GA (online) • 2022, Ongoing

Graduate Certificate: Programming
Harvard Extension School
Cambridge, MA • 2021
Graduate-level courses in Computer Science including:
- *Data Structures & Algorithms*
- *Database Systems*
- *UNIX Systems Programming*
- *Discrete Mathematics*

Software Engineering
Flatiron School
New York, NY • 2013
525 clock hours in programming and web development with emphasis on:
- *Ruby on Rails*
- *Test-Driven Development*

Coursework
CUNY City Tech
New York, NY • 2012
Mechnical Engineering pre-requisites in fundamental math and science

Bachelor of Arts
University of Vermont
Burlington, VT • 2007
- *Major: Media, Film and Television*
- *Minor: Studio Art*
- *Won Best Student Experimental Film award at the Vermont International Film Festival*

Self-directed learning
Ongoing
- *Andrew Ng's Machine Learning Stanford course*
- *Programming Machine Learning, by Paolo Perrotta*
- *Math for Programmers, by Paul Orland*