San Francisco, CA
(415) 205-5013
david@rosson.com.au

David Rosson

linkedin.com/in/derosson
github.com/gartenfeld
medium.com/@rosson

Skills

JavaScript, Ajax, Promises/A+, jQuery, Node, Express, REST, RDBMS, MongoDB, Backbone, Angular

TDD, Build Tools, Team Git, Socket.io, API Integration, OAuth, D3, Bash, Docker, Python, Web Scraping

Recent Projects

FerdX — Product Lead, Full-Stack Engineer — ferdx.io

One-click integration for extensible Slack bots

· Engineered modular bot logic powered by Node to offer beautifully structured information in Slack channels
· Applied functional & reactive patterns using RxJS to process intermittent streams of asynchronous web events
· Leveraged npm's ecosystem to cultivate a developer community for sharing and expanding bot capabilities
· Launched dashboard interface built on Angular enabling Slack users to easily customize extension modules

Slideshow — Product Designer, Full-Stack Engineer — de.sayberlin.com

Vocabulary learning app with audio

· Architected single-page app with Backbone following clean engineering patterns for structuring UI components
· Furnished backend API using Express and SQLite data store, with audio resources loaded from asset servers

Foxy — Architect, Backend Engineer

Real-time, multi-player arcade game operated via mobile devices

· Prototyped a gaming platform with Node and Socket.io, allowing real-time interaction between mobile devices

Typist — Product Designer, Full-Stack Engineer — typist.firebaseapp.com

Typing game with audio

· Utilized jQuery and SoundManager to create an engaging user experience with interactive audio-visual effects

Finn — Full-Stack Engineer — fi.sayberlin.com

Finnish-English dictionary with instant search

· Sourced and re-structured lexical data using Python libraries and abstracted the MongoDB layer as a service
· Implemented fast, responsive interface with Angular and Express to display instant results as the user types

Experience

2013-2015   **Child Language Lab**, *Macquarie University* — Leading research center in linguistics
Worked on research analyzing speech data with the set of technologies that powers Apple's Siri
Gained extensive insight on research design and projects with a strong focus on data analysis

2012-2013   **Motvind, Inc.**, *A Delaware Corporation* — A self-funded startup in the online learning space
Led remote engineering team using Agile tools and developed products for web-based learning
Acquired in-depth knowledge of product design, customer development, and Lean practices

2010-2012   **Southern Water**, *Tasmania* — Regulated utility, 800+ employees, $2 billion in assets
Conducted engineering review of building & planning proposals in relation to water supply
Helped improve revenue by fast-tracking infrastructure pricing calculations for utility assets

Education

2015   **Hack Reactor,** *San Francisco* — Advanced Software Engineering Workshops
2012-2015   **Macquarie University**, *Sydney, Australia* — Bachelor of Science (Speech and Hearing)
2013-2014   **University of Jyväskylä**, *Central Finland* — Exchange Program, Erasmus Student Network
2008-2009   **Tasmanian Polytechnic**, *Hobart, Australia* — Advanced Diploma of Engineering Design

Personal Interests

Linguistics, Teleportation *(fig.)*, Neurogenesis, Cognition, VR, AI, Futurology, Livability, Architecture, Design, Puppies