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David Rosson

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Skills

HTML 5, CSS 3, LESS, BEM, Bootstrap, JavaScript, Object-Oriented JS, Functional JS, Asynchronous JS, jQuery, Ajax, Promises/A+, RxJS, AMD, CommonJS, RequireJS, npm, Grunt, Webpack, Build Automation, Jenkins, Node, Express, REST, API Integration, RDBMS, MySQL, MongoDB, Backbone, Knockout, Angular, Git, Branch Workflow, Chrome DevTools, Code Review, JIRA, Jasmine, Karma, Bash Scripting, Python, Web Scraping, Google Analytics…

+ Well-versed in JavaScript and frontend technologies. Top 10% in Algorithms on HackerRank.
+ Experienced in UI development and the engineering process of large-scale enterprise products.
+ Familiar with architecture considerations for scalability, security, and robustness in a complex system.
+ Emphasis on tooling, automation, workflow, quality through tests, maintainability, and iteration cycles.
+ Strong proponent of rapid prototyping and evidence-driven design focused on real-world user experience.

Experience

Cloudera, Inc. — *Software Engineer - UI and Data Visualization*

Introduced improvements in build automation and dependency management in legacy code base
Implemented modular UI components with DOM data bindings that are reusable across products
Evangelized for frontend technologies and practices to encourage code sharing amongst teams
Enhanced the ease of use and navigation for specialized web tools in the Hadoop ecosystem
Extended Google Analytics to collect data on usage patterns to inform user experience design

Motvind, Inc. — *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

Projects

FerdX — *One-click integration for extensible Slack bots* — `ferdx.io`

· 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 — *Vocabulary learning app with audio* — `de.sayberlin.com`

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

Typist — *Typing game with audio* — `vok.firebaseapp.com`   `typist.firebaseapp.com`

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

Finn — *Finnish-English dictionary with instant search* — `fi.sayberlin.com`

· 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

Education

Macquarie University — Bachelor of Science, Linguistics; *Exchange at University of Jyväskylä*

Tasmanian Polytechnic — Adv. Diploma of Engineering Design; *Best Graduate in Engineering*

Personal Interests

Linguistics, Cognition, Virtual Reality, Robots, Futurology, Utopian Cities, Urban Planning, Architecture, Design