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David Rosson

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Skills

React, TypeScript, Redux, JavaScript, Recharts, react-vis, ES6, ES2015, Babel, Webpack, npm, yarn, Jest, Jasmine, Mocha, Sinon, Karma, End-to-End Testing, TestCafe, Puppeteer, Git, Rebase Workflow, Branching-Merge Workflow, HTML 5, CSS 3, LESS, JSS, Material UI, Styled Components, Storybook, Bootstrap, D3, Charts, Object-Oriented and Functional JS, jQuery, Ajax, Promises/A+, Async/Await, AMD, CommonJS, RequireJS, Grunt, Build Automation, Node JS, Express, REST, API Integration, Relational Databases, MySQL, MongoDB, Mongoose, Backbone, Knockout, TCP/HTTP, Chrome DevTools, Code Review, JIRA, Scrum, 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.

Workflow

Preparation: business value propositions, high-level PRD, Lo-Fi mock-ups; to convey business impact of project

Kick-off Workshops: provide context for the team; brainstorming, ideation, "first diamond", discover dependencies

Project-level Planning: clarify scope, complexity; offer tech perspective on feasibility: what is the best viable UX, validate general design; create placeholders for capturing implementation steps and specs

Implementation Planning: refine designs and PRD; get FE, BE, AI, UX on the same page; work out and manage dependencies; to create well-defined tickets with details that can be implemented and placed in sprints

Development: in close collaboration with Product and Design; incremental and iterative, with user check-ups

Launch: internal release and soft launch => gather feedback; workshops => Public Launch: coordinate with marketing, sales positioning, and business cadence; continuously integrate user feedback

Experience

Ultimate.ai — *Software Engineer - Automation UI (Dashboard) and Business Insight (2019 - current)*

Delivered a range of major features of significant business impact as the sole FE engineer on each project
Coordinated with product owners, designers and other tech teams to realise novel engineering designs
Performed extensive code reviews and made improvements to quality and maintainability of the code base
Experimented with visualisation and product features to rapidly respond to customer business cases
Promoted a culture of maintainable, reusable code and modernised scalable development practices

Cloudera, Inc. NYSE: CLDR — *Software Engineer (IC3) - UI and Data Visualization (2015-2017)*

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

Education

Technische Universität Berlin — Master of Science (ICT Innovation), Fakultät Elektrotechnik und Informatik

Aalto University — Master of Science (Technology), Human-Computer Interaction and Design

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

Tasmanian Polytechnic — Adv. Diploma of Engineering Design (Civil & Structural); *Best Graduate in Engineering*