

Jacob Friesen - Software Developer

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Profile

- 10 years of on the job Software Development experience.
- Deep understanding of JavaScript with experience in client side, server side and phone environments.
- Scaled the startup Zimit's software from no product to a \$90 million exit in five years.

Skills

This is just a summary of my core skills, for full details [go here](#).

Programming

Skill	Years	Level
JavaScript	10+	Expert
• <i>pure (ES6 experience too)</i>	<i>10+</i>	<i>Expert</i>
• <i>React</i>	<i>2+</i>	<i>Advanced</i>
• <i>Angular</i>	<i>3+</i>	<i>Advanced</i>
• <i>AngularJS (to 1.8)</i>	<i>7+</i>	<i>Advanced</i>
• <i>Node.js (Server Side)</i>	<i>8+</i>	<i>Advanced</i>
• <i>Jest + Other Libraries (Unit Testing)</i>	<i>10+</i>	<i>Advanced</i>
• <i>Cypress & Other Tools (End-To-End Testing)</i>	<i>5+</i>	<i>Advanced</i>
• <i>jQuery</i>	<i>6+</i>	<i>Advanced</i>
HTML	13+	Advanced
CSS (Including Preprocessors)	13+	Advanced
Java	4+	Intermediate
Ruby On Rails	1+	Intermediate
Python	2+	Intermediate
SQL	6+	Intermediate
Erlang	0.5+	Basic

Back End

Skill	Years	Level
Git (and Github)	10+	Intermediate
PostgreSQL	5+	Intermediate
Webpack (Bundler)	5+	Intermediate
Apache HTTP Server	2+	Intermediate
Gulp.js & Other Tools (Task Runner)	6+	Advanced

Environment

Skill	Years	Level
Linux Admin	8+	Advanced
Mac OS X Admin	6+	Intermediate
Windows Admin	11+	Intermediate
Docker	6+	Intermediate

Work Experience

For older work experiences, see my [LinkedIn Profile](#).

2021 September - Current Senior Software Development Engineer [Workday](#)

Primarily developing and defining new development processes for the new Workday CPQ product based on Zimit's Current CPQ.

- Developing UI development processes, standards and code in a modern React/Redux application.
- Assisting with planning the overall technology planning based on experiences from Zimit's CPQ product.
- More to come as the Workday CPQ product develops.

2016 August - 2021 September Senior Software Developer [Zimit](#)

Defined software development standards and technological direction of products in addition to full stack work on Node.js and Angular applications. Did this until Zimit was acquired by Workday.

- Define development standards and general processes from start of coding to release of code before infrastructure deployment.
- Developed the testing strategies and improved the various build strategies using tools like Jasmine, Protractor (Selenium based) and HTTP/Socket based API tests.
- Work all the way from client side JavaScript and HTML to Node.js with ES6 to a PostgreSQL 10 database using tools such as linting and Gulp.js for task running.
- Manage the Continuous integration (CI) and build systems using Amazon Web Services (AWS) with custom Docker containers.

2013 August - July 2016 Software Developer [VeriAS](#)

I designed and developed interfaces across multiple products (including architecture).

- Developed the single page UI structure, automation, testing and other essential aspects. Using the JavaScript MVC framework Angular.js and supported by Node.js tasks via Gulp.js (Switched from Grunt.js).
- Designed the user experience and help design the general user processes across the various projects.
- Ensured that the visual designs are appealing and usable across multiple devices.
- Using Angular.js, tested with Jasmine.js and Protractor.js which runs on Selenium. Created a CI server (Jenkins based) to test across multiple browsers and operating systems among other functions.

Education

2008 September - 2013 April, University Of Manitoba, MB

- B.C.Sc. Honours Degree - Co-operative Option
- Concentration in Software Engineering

2004 September - 2008 June Westwood Collegiate, MB

Volunteering

2015 July - 2016 June VP Of Public Relations

Toastmasters, Delray Beach, FL

- Manage online presence across social media.
- Design and run membership campaigns when needed.
- Participate in decision making meetings with other club officers.

2014 July - 2015 June Sergeant at Arms

Toastmasters, Delray Beach, FL

- Every meeting I started the meeting and introduced the Toastmaster.
- Participated in decision making meetings with other club officers.
- Helped reduce costs by developing a strategy to bulk print certain materials.