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James Ward
Level 13 Software Engineer

SUMMARY

I am an Engineer through and through - I solve practical problems. I get things done, ship amazing software, and create a superb user experience - all while hitting every specification and business requirement. Unit tests, end to end testing, and test driven development are my go-to tools for crafting solid code in a multitude of languages.

This isn't just a day job to me, it's a passion.

EXPERIENCE POINTS

Co-Founder   Forkbombus Labs

2015 — Current

Understanding the human element behind threats to manage the risks they pose.

- Built scalable platform infrastructure with Node.js, Kafka, Tensorflow, PostgreSQL, and ElasticSearch.
- Design and implement user experience and workflows of the flagship product.
- Produce a full marketing website - from creating wireframes, to generating copy text, to writing the Javascript and HTML.

Senior Engineering Manager   Wayfair

2014 — 2017

Lead a diverse team of engineers to develop services for scalable, customizable, and personalized interactions with customers.

- Architected a cross-team platform that generates over 18% of company revenue by enabling open communication with millions of active customers.
- Used Kafka, Storm, and HBase to ingest and act upon a large throughput of data, based upon user definable rule sets.
- Extensively utilized multiple frontend frameworks to create highly interactive user experiences.

Software Engineer   Limestone Networks

2012 — 2014

Refactored large portions of legacy codebases to implement new features.

- Created tooling for NOC automation and Denial of Service mitigation.
- Wrote end-to-end and unit tests to reduce breakage during refactor.

Software Architect   Accrisoft

2011 — 2012

Designed and implemented new features, bug fixes, and reduced the memory footprint of the flagship product.

- Optimized web stack on application servers, reducing infrastructure costs.
- Integrated the product with several third-party SOAP and REST APIs.

TOOLS I USE

Java
Spring, Hibernate, Dropwizard, Storm, Spark

PHP
Laravel, Symfony, Extension Development

SQL
MySQL, T-SQL, PostgreSQL

Cobol
COBOL-85

Pascal
Delphi

Python
Django, Twisted, Pandas, Keras

Infrastructure
Linux, Windows, Chef, Kubernetes, Docker, Helm

Javascript
ES.Next, nodeJS, Express, Tensorflow.js, React, Redux

NoSQL
HBase, MongoDB, DynamoDB, Redis

HTML
HTML5, XHTML, mustache

CSS
CSS3, SASS, LESS, Responsive Design

Perl
Mojolicious, CGI

C++
Boost

C
C11, C99, CMake

R