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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 backend infrastructure with Kafka, Tensorflow, PostgreSQL, and ElasticSearch.
- Design and implement user experience of the primary 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

Became a leader in the Wayfair Engineering Community. Grew to manage a diverse team of engineers developing services for scalable, customizable, and personalized interactions with customers.
- Managed engineering teams that enabled open communication with tens of millions of customers daily, connecting internally to generate over 15% of company revenue.
- Used Kafka, Storm, and Dropwizard 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 PHP codebases to implement new features.
- Wrote unit tests to verify changes would not break legacy code.
- Created tooling for NOC automation and Denial of Service mitigation.

Software Architect   Accrisoft
2011 — 2012

Designed and implemented new features, bug fixes, and reduced the memory footprint of the flagship product.
- Optimized the web stack on application nodes, reducing server 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