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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 and general test driven development are some of my go-to tools for crafting supreme code in a multitude of languages, and I've also dabbled in some end-to-end testing frameworks.

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

EXPERIENCE POINTS

Senior Software Engineer Wayfair

2014 — Current

Became a leader in the Wayfair Engineering Community, and grew to manage a diverse team of engineers to develop services for scalable, customizable, and personalized interactions with customers.

- Managed the engineering team that enabled tens of millions of emails to send daily, connecting other teams to generate 15% of company revenue.
- Used Storm and Dropwizard to ingest and act upon a large throughput of data, based upon user definable rule sets.
- Extensively used backbone.js to create a highly interactive client side experience.

Software Engineer Limestone Networks

2012 — 2014

Refactored of large portions of legacy PHP codebases to implement new features, working with several hundred thousands of lines of code managed on GitHub.

- Implemented encryption and password hashing systems to meet industry standards and ensure PCI-DSS compliance.
- Wrote unit and integration tests to verify changes would not break existing legacy code.
- Created tools for NOC automation.
- Performed database administration, systems administration, upkeep of internal perl tools, and optimized the web stack to scale as the company did.
- Maintained basic mitigation of denial of service attacks on services through caching, network optimization and reverse proxies.

Software Architect Accrisoft

2011 — 2012

Designed and implemented new features, bug fixes, and reduced the memory footprint for Accrisoft's flagship Freedom CMS.

- Integrated the CMS with several SOAP and REST APIs.
- Worked alongside a team of talented programmers, using subversion and an in-house ticketing system.
- Optimized the standard web stack and configuration installed on application nodes, to reduce server costs.

TOOLS I USE

Java
PHP
SQL
Cobol
Pascal
Python
Javascript
NoSQL
HTML
CSS
Perl
C++
C