

KEVIN MCINTOSH

Internal Lead Developer Advocate

Web Github.com/kevjames3

Email kevjames3@gmail.com

Phone 503-896-7155

SUMMARY

I am a software engineer and developer advocate with more than 8.5 years of technical professional experience with numerous, measurable deliverables. My successes include:

- building scalable full-stack solutions in Java and Javascript
- organizing and leading communities of developers that are scalable, self-reliant
- coordinating and implementing multi-paradigm products affecting multiple verticals as developer and product leads
- investigating and implementing diversity and hiring strategies on a company-wide level
- as well as consistently adding to my skill set in different technical domains, from Kubernetes to front-end frameworks

WORK EXPERIENCE

Present | INTERNAL LEAD DEVELOPER ADVOCATE ^ + Groupon

2019 Acted as the sole Internal Developer Advocate for Groupon engineering teams, with a focus on:

- establishing lines of customer feedback to Dev Ops
- clarity of processes related to company-wide Kubernetes migration,
- a training program for developers,
- and growing a community for engineering talent.

Key Accomplishments

- Created and produced over 12 hours of video featuring myself and other developers for a program called Demo Days. This program had a cumulative attendance of 2200 developers, over nine months, leading to a developer onboarding program.
- Relaunched yearly hackathon proof-of-concept, which had 320 engineers organization-wide participate, with DevOp support and new platform features curated for developers. Through my organization and leadership, we established new support systems, a channel for developer concerns and feedback, and a sandbox platform in Kubernetes and AWS
- Coached Java framework team through a rewrite of developer documentation used by 140+ service teams at Groupon. Reduced documentation footprint from 80 to ~30 pages. Improved discoverability by organizing documents around essential developer tasks
- Created a Docker and Kubernetes training program (presentations, tutorials, and documentation) for Groupon developers. Over 20 development teams at Groupon used 2+ hours of video content.
- Led team of 25 employees as Co-Chair of Pride@Groupon (LGBTQ+ ERG) and Seattle Culture Club for two years, identifying gaps in recruiting, employee retention, employee engagement, and marketplace strategies. Organized 50+ events that kept the community and volunteer team engaged throughout the two years. Due to my leadership and direction, we came in

EDUCATION

Computer Science (B.S.) - 2012

Oregon State University *Cum Laude*

CERTIFICATIONS

EDX.org 2013

- Artificial Intelligence (Certificate of Mastery)
- Software as a Service (Certificate of Mastery)

COURSERA 2017

- Executive Data Science Specialization

TECHNICAL KNOWLEDGE

Javascript	6+ years
Git	6+ years
Java	5 years
MySQL	5 years
CSS/HTML5	5 years
C#	2 years
Scrum	2 years
Python	2 years
Kubernetes	1 year

under budget at 50% of the allocation.

2019
^ + **FULL STACK SOFTWARE ENGINEER**
2016
GROUPON

Architected, led, and delivered on projects as a Full Stack Engineer that contributed to the front-end and back-end facets of Groupon Getaways vision statement, which included increasing conversion as well as expanding inventory.

Key Accomplishments

- Architected, coded, and shipped a new inventory purchase pipeline based in Java, Dropwizard, and internal frameworks. This generated over \$1 million in annualized profit for the business. Identified optimization through reducing latency by 88% on API endpoints. Improved customer experience as well as the bottom line by addressing the four percent of reservations that did not end in a valid end state. Coordinated feature work to deprecate other's services with ten other teams.
- Developed integration of travel inventory systems with American Express, allowing the product to scale to all Groupon travel merchants and opening up for additional feature integration with two channel managers (such as Synxis).
- Re-architected complex business logic for financial processing and reconciliation across applications spanning four business units, streamlining the process, and removing additional unneeded dependencies.
- Acted as the project lead for Google Hotel Metasearch – a project enabling Google's end-users to search for Groupon Hotels. Provided \$5 million in annualized revenue to the Getaways business post-launch.
- Created a tool in Javascript integrated with the Jenkins API to assist full-stack teams in identifying unreliable tests in their E2E integration; in specific organizations, this helped in prioritizing tech debt.

2016
^ + **FULL STACK SOFTWARE ENGINEER**
2011
INTEL

Supported Intel's Architecture and Visual Parallel Computing Group by contributing to an internal web application code base that allowed architects and validation engineers to edit, generate RTL, and read formal/informal specifications.

Key Accomplishments

- Designed and maintained multiple JQueryUI Plug-ins and AngularJS Apps used throughout the platform, including a "subscription" field heavily inspired by Gmail's To/CC/BCC fields.
- Engineered a back-end multi-threaded indexer from scratch for a formal specification to be later used for change notices to the said specification of the GPU
- Integrated access controls into existing legacy MVC/REST-ful API calls leveraging C# attributes and reflection to improve security on the application.

CO-AUTHORED PUBLICATIONS

You Are the Only Possible Oracle: Effective Test Selection for End Users of Interactive Machine Learning Systems

IEEE Transactions on Software Engineering, vol. 40, no. 3, pp. 307-323, March, 2014

Where Are My Intelligent Assistant's Mistakes? A Systematic Testing Approach

2011 Third International Symposium on End-User Development, Torre Canne, Italy, June 2011.

End-User Feature Labeling: A Locally-Weighted Regression Approach

2011 International Conference on Intelligent User Interfaces, Palo Alto, California, United States, February 2011.
Best Paper Nomination

Explanatory Debugging: Supporting End-User Debugging of Machine-Learned Programs

IEEE Symposium on Visual Languages and Human-Centric Computing, Madrid, Spain, September 2010.

AWARDS

GROUPON

- Getaways Engineering "You Rock Award"

for leading, designing, and implementing a new deployment proposal post-holiday moratorium that took effect company-wide.

INTEL

- Intel Nominee for Out And Equal "Outie" Award

for my work with Global Diversity in driving new policies and practices Intel wide, specifically with respect to Intel's "It Gets Better" video and leading the Intel SF Pride Parade Contingent for 4 years.

MISC

- American Red Cross Extraordinary Personal Action Award and TH-PRD's Commitment to SAFETY Award

Given during my tenure as a lifeguard. For successfully being instrumental in saving two individuals lives who experienced large scale heart attacks

- Time's 2006 Person of the Year