

Jonathan Kaufman

Software Engineer

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Innovative software engineer, architect, and developer offering four years of experience in the full software development lifecycle.

History of learning quickly and growing to become a top contributor and leader.

Refined interpersonal skills and experience working collaboratively with clients and other developers, as well as giving talks, leading sessions, and facilitating workshops.

Software Engineer

IBM Emerging Technologies / MA / August 2016 - Present

Joined a team of four and quickly rose to become the top contributor, developing the server-side technology for IBM's partnership with Harman in creating a physical conversational agent.

- Developed the API for voice interaction, designed the database for storing user metadata, and built an admin UI for testing, debugging, and device management.
- Collaborated with research teams across the world in building a conversational model that manages context and multiple expertises.
- Worked with Watson Conversation Service, IBM Internet of Things Platform, Alchemy Natural Language Processing APIs, OpenWhisk (serverless technology), Cloudant, Speech to Text, and Text to Speech.

Developer Advocate

IBM Emerging Technologies / MA / July 2015 - August 2016

Promoted the adoption of IBM's Cloud Platform, Bluemix, by collaborating with and enabling developers, leveraging the platform's rapid application development and IBM Watson Machine Learning and Natural Language Processing APIs. Recruited internally despite the job requirements calling for 8+ years experience in this area.

- Led and facilitated 10 technical sessions, talks, and workshops, and participated in over 20 developer conferences and Meetups in 6 countries.
- Built and open-sourced 6 demo applications showcasing different aspects of the platform, from building visualizations to IoT and microservice-based systems.
- Worked extensively with Cloud Foundry to design and create cloud native applications, along with Docker, React, React Native, Node.js, MongoDB, CouchDB, D3, and Java.

Software Engineer

IBM Collaboration Solutions / MA / June 2013 - July 2015

Front-end web developer for IBM Verse, specifically on search, threads, analytics, folders, and the overall framework. Quickly rose to leadership positions and was involved in key design, architecture, and infrastructure decisions.

- Worked with Apache SOLR, the Dojo Toolkit, JavaScript, HTML5, CSS3, Java, and Jenkins.

Languages

JavaScript, HTML5, CSS3, Java, C, Python

Frameworks/Platforms

Node.js, React, React Native, D3, Dojo Toolkit

DevOps

Docker, Kubernetes, Cloud Foundry

Databases

MongoDB, CouchDB, Redis, MySQL

Highlights

Achieved top contributor award three out of four years at IBM.

Designed, architected, and developed the UIs and servers for more than 15 applications.

Led 10 technical sessions, talks, and workshops.

Contributed to 15 open source projects.

Education

Cornell University, 2013

Bachelor's Degree, Electrical and Computer Engineering

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