

James Koval

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Skills ordered by experience

Javascript, HTML, CSS, ReactJS, PostgreSQL, Ruby on Rails, Typescript, GraphQL, Bash, Linux, Docker, AWS, NoSQL, AngularJS, Python, Java, Go, C#, PHP, NodeJS, C++, C, Rust, .NET, Android, iOS, Scala, Swift, Hadoop, Electron

Education | B.S. Computer Science Graduate, Principia College | Sept 2007 - June 2011

Experience

Staff Fullstack Engineer, Orthini | March 2025 - Present

- Startup environment, prototyping smart medical devices for physical therapy, using Arduino IDE
- Working directly with founders on 3rd iteration of smart knee sleeve & insole

Senior Fullstack Engineer, Aurora Solar | April 2020 - Jan 2025

- Architected & built fullstack system features for solar roof design, using Rails/ReactJS/GraphQL/PostgreSQL
- Launched & maintained contractor management dashboard & work queue system
- Redesigned & migrated core data structure to unblock company OKRs

Senior Fullstack Engineer Contractor, Federal HUD | May 2019 - April 2020

- Automated user account sync across SQL-AD-LDAP collaborating with external vendor, using NodeJS
- Resolved backend system issues, formalized & automated error-prone tasks in federal user account systems

Senior Fullstack Engineer, Amazon | May 2016 - Dec 2017

- Launched web app Amazon Prime Photos, using Java/ReactJS/AWS
- Resolved critical security emergency with federal involvement

Senior Fullstack Engineer, Twitter | June 2012 - Nov 2015

- Built web app to crowdsource translations, using Rails/AngularJS/PostgreSQL
- Maintained open source tweet parsing library "twitter-text" on github
- Developed 2-factor login and tweet-translation for Twitter Android app

Fullstack Engineer, Human Genome Project | June 2011 - May 2012

- Developed web app for analyzing drug-gene interactions, using Rails
- Published as research author in Nature magazine