James Koval Resume

Portland, OR | James.Ross.Koval@gmail.com | (424)-242-4133

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

Skills

Javascript, ReactJS, PostgreSQL, Rails, Typescript, GraphQL, Linux, Docker, Python, Java, NodeJS, C++

Experience

Staff Fullstack Engineer, Orthini | March 2025 - Present

- Researched and prototyped a 3rd iteration wearable device for physical therapy

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

- Architected & built significant features in solar roof design suite
- Launched & maintained new contractor dashboard & interface while preserving customer privacy
- Redesigned & migrated data structures & shared features between old & new sites

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

- Automated user data sync SQL-AD-LDAP, and built task automation in NodeJS

Senior Fullstack Engineer, Amazon | May 2016 - Dec 2017

- Built & launched Amazon Prime Photos from the ground up using Java/ReactJS/AWS
- Investigated & resolved critical security emergency with federal involvement

Senior Fullstack Engineer, Twitter | June 2012 - Nov 2015

- Built web app to crowdsource translations, using Rails/Boostrap/PostgreSQL
- Primary open source maintainer for "twitter-text" on github, built systems to normalize text parsing among various languages and platforms
- 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 cancer article as research author in Nature magazine