



Jeffrey Milling

FULL STACK DEVELOPER · CO-OWNER & CTO @ JMKRIDE USA

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Summary

I am a highly driven goal-oriented software engineer with a variety of technical experience acquired through self-teaching, industry experience, and formal education. After over five years experience in dynamic large-scale system architecture and administration from my time at Facebook and ViaSat Inc., I began pursuing my passion for entrepreneurship and freeskating. I am a co-owner and CTO of JMKRIDE USA. After two and a half years of technical and leadership work, I am in a position where I have begun offloading and sidelining my responsibilities at JMKRIDE and am looking to continue my career with an exciting remote/hybrid role in full stack software development.

Work Experience

JMKRIDE USA

San Diego, CA

CO-OWNER & CHIEF TECHNICAL OFFICER

Sep. 2019 - Current

- **Stocktracker:** Built and deployed an internal inventory management website
V1: JAVASCRIPT, PYTHON, MYSQL, V2: REACT, NODE.JS, MONGODB
 - Fully dynamic inventory structure of parts, categories, category sets
 - Multiple inventories, multiple users, and user-attributed logs of every action
 - Historic part quantity graphs for visualizing inventory trends
- **Ambassador Portal:** Built and deployed a customer-facing brand ambassador/affiliate portal website.
REACT, REACT NATIVE, REACT QUERY, NODE.JS, MONGODB
- **Freeskater Finder:** Built and deployed a customer-facing web app. Users place their pin on the map and connect with other freeskaters.
REACT, GOOGLE MAPS JAVASCRIPT API, MATERIAL UI, NODE.JS, MONGODB
 - Users create an account, input a bio, profile picture, and their social media links.
 - Users configure their visibility and privacy, controlling whether friend requests are required.
- **usa.jmkride.com** Installed and customized the store Shopify theme LIQUID, SHOPIFY API, SHOPIFY THEMES
- Built and deployed a custom Shopify app allowing automatic referral code usage recording from our Shopify shop
HEROKU, SHOPIFY API, GRAPHQL, JAVASCRIPT
- **jmkride.com** Designed and customized the international website WIX, JAVASCRIPT

Facebook

Menlo Park, California

PRODUCTION ENGINEER

Sep. 2017 - Sep. 2019

- Maintain the performance and reliability of hundreds of thousands of servers running several cache services including TAO, Facebook's social graph cache, backed by the world's largest MySQL deployment.
- Designed, developed, and deployed new internal systems including a load-test service to detect performance regressions, and a disaster-event simulator to test reliability during unplanned unavailability events like network cuts or DC power loss.

ViaSat Inc.

Carlsbad, California

SOFTWARE ENGINEERING INTERN

May. 2015 - Aug. 2015

- Built a highly modular cloud-based testing infrastructure for Viasat's next generation core switch
- Wrote Ansible playbooks to deploy the application as a fully scalable VM cluster to the OpenStack cloud
- Final product was phased into use by the ViaSat Satellite Applications team before the conclusion of the internship, and is currently seeing daily use in testing their development environments.

Harvey Mudd College

Claremont, California

STUDENT SYSTEM ADMINISTRATOR

May. 2014 - May. 2017

- Administer of numerous Linux servers for use by the Harvey Mudd Computer Science Department and its students
- Servers provide services including Subversion, Git, Trac, NFS, LDAP, DNS, and Apache
- Built two high performance VM hosting servers using Gentoo Linux and the KVM/QEMU hypervisor to host remote linux servers to students of the system administration class.
- Co-taught aforementioned system administration class for the fall and spring semesters 2015
- Awarded the JArthur award in 2015 for exceptional performance

Education

Harvey Mudd College

Claremont, California

B.S. COMPUTER SCIENCE

Aug. 2013 - May. 2017

- JArthur Award for exceptional performance by the CS Department - 2015
- **Relevant classes** - Computer Systems (C), Software Development (Android, Java), Artificial Intelligence (Python), Data Structures and Program Development (C++), Programming Languages (Python, Java, Racket)