

# Jason Karuza (he/him)

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## SPECIAL SKILLS

Languages: Python, PHP, SQL/MySQL, NoSQL, Flutter/Dart, Javascript, HTML, CSS, C/C++, JAVA, .NET, UML

Tools and Platforms: JetBrains/VS Code/Android Studio, Vim, Git, Linux, Windows, Django, Flask

Other Software: AWS/GCP/Azure, K8s/ECS, CircleCI, Firebase, Apache, Terraform, Wordpress, Office tools

## EXPERIENCE

SENIOR MANAGER, PRODUCT ENGINEERING – Afresh, San Francisco (Remote) 07/22 – Present

- Manage Swift/Typescript/GraphQL team responsible for in-store Ordering, ETL pipeline between Snowflake and PostgreSQL utilizing dbt, and system performance as part of ML-driven grocery chain platform that prevented 44M pounds of food waste, 24M kg of CO2 emissions, 886M gallons of water waste while earning \$12M in revenue
- Drive projects focused on reduced order time and greater financial performance for thousands of in-store users across customer chains such as Albertsons, Fresh Thyme, Winco, Stater Brothers, Smart and Final, and more

ENGINEERING MANAGER/INTERIM VP OF ENG - Teampay, NYC (Remote) 11/20 – 07/22

- Facilitate \$25M series B fundraising for distributed spend management platform built on AWS, CircleCI, Python/Django, PostgreSQL, and React. Integrate with numerous fintech services.
- Manage and hire backend, frontend, DevOps, and data science engineers (full time and contractors)
- Develop practices to improve system performance and visibility, increase velocity, and reduce risk

SENIOR PRINCIPAL ENGINEER – Hourly.app, Palo Alto (Remote) 10/19 – 10/20

- Develop low-latency Python/Flask APIs and manage infrastructure for mobile-first, small business payroll, time-tracking, tax, and insurance platform using Jenkins, REDIS, MySQL, SQS in 15-person pre-seed startup
- Grow engineering team (largely in Colombia), define practices/processes, and scale customer base

DIRECTOR OF ENGINEERING – McGraw-Hill Education, Santa Monica, CA 08/14 – 10/19

- Support 11M global users with \$1.72B revenue in 2017 managing four teams with 20+ distributed engineers
- Led migration to AWS with concurrency improvement through re-architecting of platform into micro-services
- Migrate local development to Docker, and AWS software development environments to Kubernetes via Terraform
- Interview, hire, and train junior-staff engineers with diverse skill sets for local and remote offices
- Identify and prioritize features, integrations, architecture enhancements, and performance optimizations
- Define software development lifecycle (SDLC) utilizing Gitflow, JIRA, and agile Scrum (design through release)

SENIOR SOFTWARE ENGINEER – Engrade LLC, Santa Monica, CA 03/12 – 07/14

- Part of early core team that led to being acquired by McGraw-Hill for \$50 million after growing to 4.5 million users
- Define and implement development, hiring, documentation, and training processes. Mentor developers and lead LAMP stack projects on hosted servers (e.g. curriculum management, standards-based grading)
- Recruit and structure internship program (mentor training, project assignment, onboarding, and release prep)

SYSTEMS ENGINEER III – Northrop Grumman Aerospace Systems, El Segundo, CA 03/09 – 03/12

- Systems Engineering/Integration and Test (SEIT) lead for Unmanned Combat Air System's (UCAS) Autonomous Aerial Refueling (AAR) Surrogate Demonstration program
- Multi-Contractor Contractual Account Manager (CAM) for Air Force AAR program with Boeing and Lockheed Martin software teams. System Architecture and Software Design lead

SOFTWARE ENGINEER III – Northrop Grumman Space Technology, Redondo Beach, CA 10/07 – 02/09

- Create .NET, ASP, JavaScript, VB, and SQL Server web tools. Spacecraft command tests using Python and Java. Command links for a spacecraft test system written in Labview (EGSE)

SOFTWARE ENGINEER II – Northrop Grumman Mission Systems, Carson, CA 2/06 – 9/07

- Design and develop C++ MFC, QT, Java GUI Applications (interface with nativecode). UML and Rational Rose

## EDUCATION

**University of Southern California**, Los Angeles

Leadership and Management Certification, June 2011

**California Institute of Technology**, Pasadena

Systems Engineering Certification, June 2010

**University of California, Los Angeles (UCLA)**

Master of Science, Computer Science December 2005 GPA: 3.771, Magna Cum Laude

Bachelor of Science, Computer Science June 2004 GPA: 3.656 Overall / 3.707 Major, Cum Laude

## PERSONAL PROJECTS

- Created/modified websites (SunsetsInc, LaColon, ComputerJourney, etc.), "shopping list via SMS" service
- Flutter mobile apps (ivearrived.app), SmartThings/SleepNumber integration, wine collection management site

## FUN FACTS

- Taught community college extension courses on better computer use, social networks, and MS Word/Excel
- Drumline instructor for four SoCal HS drumlines between 2003 and 2012; Founding drummer of touring rock band
- Authored computing book, Obsessable.com gadget blogger, Yelp Elite 15+ years and UCLA Alumni Mentor 4 years