

RUSSELL L. KIRMAYER

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PERSONAL SUMMARY

Experienced software engineering leader with a successful record delivering high value technology products and leading and developing engineering teams. Looking to continue leading engineering teams that deliver high value solutions to the business. Strong collaboration, stakeholder management, and communication skills, effective at driving meaningful processes improvements and fostering team culture and growth.

EXPERIENCE

Forward, Inc. - Founders Fund-backed healthcare technology platform
Engineering Tech Lead

February 2021 - Present
San Francisco, CA

- Actively collaborated with product stakeholders to lead team technical direction and roadmap creation and helped developed SLOs and KPIs for improved project communications.
- Track record of successfully rolling onto struggling projects to align stakeholders and disambiguate scope to create a viable execution strategy and effectively deliver products.
- Mentored engineers and helped build onboarding systems to scale the engineering team, and organized team events that improved team camaraderie and learning events that grew team skills.
- Engineered subscription, accounting, and revenue software features to resolve major accounting bugs. Built simulation engine to verify financial models against implementation to reduce accounting inconsistencies to within audit-passing threshold. Enabled the business to easily validate hypotheses of different models before releasing.
- Developed 3D body scanner product that generated a digital twin asset to visualize body model and composition for members in clinics. Wrangled competing requirements with product and business owners to align on v1 product capabilities and timelines. Resulted in transformation of manual clinical process to an automated healthcare product with high reliability that improved delivery of member value at scale.
- Responded to system outages from cloud service providers by rearchitecting components of the cloud infrastructure which improved system resiliency and uptime and increased security across backend systems.
- Improved database reliability by building tooling using MySQL and AWS features and added proactive monitoring and alerting to database outages, upleveling engineering teams to monitor their query performance over time.
- Optimized data schemas and SQL queries and improved API latency in one case by nearly 10x.
- Delivered an SRE-based incident response framework and training program that coached engineers to respond to system outages and improve service availability, improving system availability to within three 9s of uptime. Led game day practices to increase oncall incident response.
- Developed tools to allow teams to automatically deploy code to production and roll back bad releases.

DevFlight - Y Combinator W19 security automation
Founding CTO

March 2020 - February 2021
New York City, NY

- Identified a need for small businesses to get access to powerful security tools, led the build of the first MVP solution.
- Led software development to automate orchestrated security responses and built next-generation tools, targeting small-sized companies in the market.
- Worked closely with the CEO to translate business requirements to product specifications and features.
- Talked to potential customers to determine product effectiveness and collected feedback and iterated on product.

Oden Technologies. - Manufacturing/IoT machine learning platform
Senior Software Engineer

April 2018 - March 2020
New York City, NY

- Led the rearchitecture of data acquisition system used to ETL factory data to core ML platform. Results significantly reduced data loss, improved data quality and increased system uptime to within contract SLAs.
- Built software release and testing infrastructure that ran data acquisition systems against anonymized factory data, leading to a significant decrease in shipped bugs and reduced system downtime at customer locations.
- Created PoC integration of the company's data acquisition technology within a 3rd party system that uncovered business opportunities with external partners.

- Built deployment and installation tooling for the installation team that reduced setup and configuration time at customer locations from two weeks down to a few hours per customer.
- Developed edge compute prototype to demonstrate high availability platform at factories with degraded internet.

Jibo Inc. - MIT-based consumer social robotics
Platform Software Engineer – Robotics Platform Team

October 2015 - April 2018
Boston, MA

- Contributed to the core robotic operating system for the [Jibo robot](#).
- Pitched to leadership and then built a real-time monitoring service for capturing system health, and designed APIs to capture telemetry and dashboards for monitoring and testing.
- Developed system to report robot health to customer service platform to proactively deliver product support.
- Created stereoscopic camera calibration software used during factory assembly of robot vision system.
- Traveled internationally to help build testing infrastructure and deploy camera calibration systems at the factory.

TECHNICAL AND SOFT SKILLS

Languages	Golang, Python, Bash/Shell, Javascript/Typescript/Node.js/React, C++
Dev	OSX, Linux (embedded and desktop), AWS (ECS, EC2, CFN, RDS, VPC), CI/CD systems
Systems	git, containers, Docker, microservices, MySQL/NoSQL/Redis, Datadog, Honeycomb
Processes	SLO/SLI, KPI, project mgmt, Agile / scrum, testing frameworks, observability / perf analysis

EDUCATION

Carnegie Mellon University
 M.S., Mechanical Engineering. Concentration, Robotics.
 B.S., Applied Physics. Minor, Mechanical Engineering.

Pittsburgh, PA
May 2015
May 2013