

RAVI JAYANTHI

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EDUCATION

NEW YORK UNIVERSITY, Leonard N. Stern School of Business

New York, NY

Master of Business Administration, The Langone Program

May 2025

Specializations in Technology Product Management and Strategy

- Endless Frontier Labs, Member - Stern Technology Association, Entrepreneurship and Startup Association

UNIVERSITY OF CALIFORNIA, LOS ANGELES, Henry Samueli School of Engineering

Los Angeles, CA

Bachelor of Science in Computer Science

June 2018

- Researcher and Developer - Scalable Analytics Institute via National Institute of Health
- Member - Association of Computing and Machinery

EXPERIENCE

COLOR HEALTH

San Francisco, CA

Senior Software Engineer

2022 - Present

- Lead and implemented company integration with generative AI APIs in clinical screening and communication tools; partnered with executives to supervise compliance and organize engineering design for 5+ business units
- Led design, development, and deployment of React flows, Django models and interfaces for cancer screening eligibility product; gave clinicians and patients industry-leading transparency and tripled kit delivery
- Implemented turnkey preventive health risk assessment to speed up customer onboarding by 60%; researched and delivered custom product analytics to halve turnaround time for impact insights
- Implemented core modules for consumer website development, upgrading back-end functionality by 50%; optimized code for end-to-end testing, leading to debugging of 60% issues
- Re-architected medical report infrastructure with clinicians to double screening throughput and facilitate 40% increase in clinical consult scheduling
- Redesign legacy payments models with finance team to enable modern licensing for 10,000 users

PROOFPOINT

Sunnyvale, CA

Software Engineer

2018 - 2022

- Led full product re-architecture from on-premises monolith to Java micro-services on custom Kubernetes CI/CD
- Owned (design and implementation) of bespoke feature flagging, customer tenant inheritance, durable caching, internal APIs, concurrent and durable CSV processing (via AWS SQS and SNS), and service pipeline configuration
- Managed scrum for database design, application performance, business telemetry, operational security
- Deployed proxy service in Kubernetes to facilitate 60% increase in API call latency and managed on-call strategy

AMAZON

Sunnyvale, CA

Software Engineering Intern

2017

- Implemented finer audio output control for Echo Dot, relieving hourly UX pain point for 30 million customers
- Resolved high-severity performance bugs for device audio on Echo Software in kernel drivers, optimized application AudioPolicy, and redesigned cloud companion app; conducted QA with sample of 500 users

AMERICAN EXPRESS

Phoenix, AZ

Software Engineering Intern

2016

- Created encrypted application to simplify and secure DB CRUD operations, reducing operations overhead by 300%
- Collaborated with business analysts and technical leads to provide tiered edit access to error-prone SQL commands
- Won company hackathon by designing data visualization tool using D3.js and instrumented custom business intelligence schema for automated collection

ADDITIONAL INFORMATION

- Skills: Python, Java, Javascript, R, SQL, Tableau, Docker, Kubernetes, Kafka
- Projects: Compute + graph statistical rolling averages on COVID case outcomes (bit.ly/plot-covid); 3D animation of spaceship takeoff with robust colors + textures, 2-level hierarchical objects for components (bit.ly/fly-falcon)
- Interests: Volunteered 2 years with Stanford CodeInPlace program to teach Python to students across 7 continents (largest MOOC), Tennis: Captain of Varsity for 4 years, Guided study group at Temple, President of Chess Club