

EDUCATION

- **Oregon State University** Corvallis, OR
Master of Science in Computer Science; GPA: 3.89 *Sep. 2004 – June. 2006*

PROGRAMMING SKILLS

- **Languages:** Python, Scala, Java, Kotlin, Javascript, C++, SQL
- **Technologies:** AWS technologies, Apache Kafka, Apache Spark, Apache Storm, Mongo DB, Redis, Akka, Spring

EXPERIENCE

- **FinTech Startup - Remote** New York, NY
Fractional CTO *Dec 2022 - Present*
 - **Automated Advisory for Accounting Professionals (Dec 2022 - present):** An intelligent advisory for Accounting Professionals
 - * Role: Fractional CTO
 - * Responsible for MVP delivery with a zero-trust architecture implemented in Google Cloud Platform
 - * Responsible for hiring/growing a remote team
 - * Responsible for supporting fund raising activities and Product Market fit
 - * Responsible for IT, security, compliance, etc.
- **FinTech Startup - Remote** San Francisco, CA
Engineering Manager *Mar 2022 - Present*
 - **Risk/Compliance/Fraud/AML (Mar 2022 - present):** A platform for KYC, Risk/Fraud/AML detection and prevention
 - * Role: Engineering Manager
 - * Responsible for KYC/CIP/onboarding customers
 - * Responsible for Transaction Monitoring
 - * Responsible for AML/Ongoing monitoring and alerting
 - * Hiring/growing the team to deliver financial infrastructure
- **Hearst** Seattle, WA
Principal Software Engineer/Sr. Director Engineering *Aug 2019 - Mar 2022*
 - **Resin (2019 - present):** Resin Subscriptions (<https://www.resin.com/>)
 - * Role: Principal Engineer/Architect/Sr. Director Engineering
 - * Built a team and an MVP to enable digital transformation and a subscription-based business model for the media industry with capabilities like paywall/content metering, order management, fulfillment, customer acquisition and retention.
- **Expedia Group** Bellevue, WA
Principal Software Engineer *June 2006 - July 2019*
 - **Marketing (2017 - 2019):** Expedia's MarTech Platform
 - * Role: Architect/Principal Engineer
 - * Delivered a high-volume best-in-class omni-channel communication platform to optimize customer reach and relationship management
 - * Content Optimization in SEM, Meta and Social Media
 - * Led and built an intelligent platform for large scale SEM (Search Engine Marketing) campaign management
 - * ROAS (Return on Ad Spend) Optimization and User Acquisition with a consistent shopping experience resulting in top-line and bottom-line growth
 - * Marketing insights feedback to core product to better address traveler needs

- **Experimentation (2016 - 2017):** Expedia's internal A/B Testing and Data Capture Platform
 - * Role: Sr. Engineer/Lead
 - * Led and built a platform for experiment management, data capture, tracking, analysis and visualization of results to accelerate testing velocity of customer-facing features
 - * Delivered a visitor identification solution to unlock personalization and product improvements based on enhanced analytics
- **User (2014 - 2016):** User Profile Data Management Platform
 - * Role: Sr. Engineer/Lead
 - * Built infrastructure to enable cross-device, cross-brand user identification enabling personalization and higher quality analytics
 - * Delivered secure solutions for account and profile data management to help address core product needs to provide a better end user experience
 - * Led domain integration efforts between platforms during mergers and acquisitions
- **Contextual Search (2012 - 2014):** Travel Search: Intelligent matching of inventory and traveler demand.
 - * Role: Engineer
 - * Responsible for Data Engineering for a low latency, highly relevant Search API needs
 - * Responsible for QA infrastructure and processes to ensure high quality
- **Platform Infrastructure (2006 - 2012):** A modular, OSS based platform to accelerate delivery of high quality features to solve traveler needs
 - * Enabled migration from a legacy C++ based monolithic platform to newer platform
 - * Moved to a Service Oriented Architecture, with custom SDKs and tooling development to enhance developer productivity
- **Miscellaneous:** Mission critical initiatives outside of team boundaries
 - * Built and delivered Store Credit Coupon functionality on the legacy platform in a compressed timeframe resulting in a significant top-line contribution
 - * Built and delivered TD Rewards Travel portal making it one of the top revenue grossing portfolio members.
- **Leadership:** Other areas of influence
 - * Regular mentoring and consulting for team members/teams to help them grow
- **Volunteering:** Expedia volunteering initiatives
 - * As a volunteer for the City of Seattle, built a new and modern Affordability Portal (<https://www.affordableseattle.org>)
- **Internship (Expedia Inc. - Summer 2015):** Part of a team that delivered a Business health monitoring system based on KPI and event insights