TASHA WALLAGE

SENIOR TECHNICAL LEADER

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PROFESSIONAL SUMMARY

Strategic technology leader with **12+ years** driving innovation, from cost-efficient wellness AI platforms to multi-billion dollar cross-functional initiatives at Amazon. Specializes in scaling high-performance engineering teams through process optimization and empathetic leadership while delivering impact across Fortune 500 and startup environments.

SKILLS

Leadership: Agile Methodology, Process Improvement, Strategic Planning, Cross-Functional Team Leadership
Architecture: Microservices, Cloud Computing, Distributed Systems, AWS, CI/CD, Infrastructure-As-Code
Technical: Java, Python, Swift, TypeScript, Javascript, Node.js, React, React Native, Perl, Lisp, C++, C, Ruby

PROFESSIONAL EXPERIENCE

TECHNICAL CO-FOUNDER, CORPATH.AI (PRE-SEED) | DECEMBER 2023 - SEPTEMBER 2024

Led technical development of a wellness-focused, AI-powered coaching and assistant platform.

- **Product Vision:** Designed personalized wellness coaching platform integrating multiple data sources (wearables, health metrics, user interactions, weather, pollen count) to deliver actionable health insights
- **AI System Architecture:** Built scalable multi-assistant platform with deep AI/ML API integration, enabling specialized coaching across multiple personal development domains
- **Architected Scalable, Cost-Efficient Infrastructure:** Designed a distributed, event-driven, serverless AWS architecture leveraging Lambda, CloudWatch, and DynamoDB, achieving multi-source data processing (email, calendar, health metrics) with operating costs as low as $0.60/user/month. Implemented reusable AWS CDK templates to enable scalable, isolated, multi-tenant B2B deployments
- **Secure, Integrated Frontend and Backend Systems:** Developed a responsive React/TypeScript frontend using Amplify, with GraphQL/DynamoDB for efficient data management. Built a secure OAuth layer with AWS Secrets Manager and REST APIs, supporting integration with major platforms (Google, Microsoft, wearable devices).
- **Technical Leadership**: Recruited and mentored engineering team, establishing development standards and managing equity-based compensation
- **Strategic Planning**: Led technical strategy and authored key sections for YC, Antler, and NSF grant applications
- **Business Transition**: Successfully transferred technical leadership while maintaining 12% equity stake

SOFTWARE DEVELOPMENT MANAGER III, AMAZON | NOVEMBER 2021 - JANUARY 2023

Led strategic company-wide initiatives and cross-regional technical teams.

- **GDPR Implementation:** Led high-risk initiative across Amazon's global workforce (2M+ employees), collaborating with legal team and directing three engineering teams to design and implement irreversible deletion systems managing billions of employee records
- **Strategic Leadership:** Spearheaded DevOps & DevEx modernization across 3 VP-level Amazon Retail verticals (Search, Checkout, HomePage), driving operational excellence and developer productivity
- **Team Building:** Built new organization from ground up, defining strategic scope with senior leadership and successfully hiring 6 top-tier engineers within 2 months

- **Leadership Development:** Promoted and managed multiple engineering managers and senior-level SDEs
- **Cross-Regional Leadership:** Led high-performing engineering teams across Seattle and Boston offices, effectively managing collaboration across time zones
- **Process Innovation:** Expanded successful 4-day workweek program to multiple teams while meeting full-time delivery goals, influencing adoption across organizations and demonstrating exceptional operational efficiency

SOFTWARE DEVELOPMENT MANAGER II, AMAZON | OCTOBER 2020 - OCTOBER 2021

Led development of critical HR systems and process improvements.

- **Public Leadership & Visibility:** Selected as recurring moderator and panelist for global Amazon recruiting events, receiving PR clearance to represent Amazon's engineering culture worldwide
- **Enterprise Observability:** Led platform-wide telemetry system spanning 5 teams, enabling record-level latency tracking and point-in-time consistency validation across 2M+ employee records
- **Systems Integration:** Implemented foundational architecture for migrating 100+ employee-related integrations from Oracle HCM, optimizing data delivery and reducing errors across critical systems (badging, payroll, time off)
- **Process Leadership:** Authored comprehensive analysis of 4-day workweek program effectiveness, gaining VP-level visibility and influencing organization-wide adoption of flexible work initiatives
- **Efficiency Enhancement:** Implemented novel team processes saving 32+ development hours weekly while improving timeline accuracy
- **People Development:** Built strong engineering culture through effective hiring, promotions, and mentorship

SOFTWARE DEVELOPMENT ENGINEER II, AMAZON | JANUARY 2015 - OCTOBER 2020

Led critical architecture and development initiatives for Amazon's global order processing systems.

- **Large-Scale Migration:** Contributed key components to billion-record database migration from SQL/Oracle to NoSQL, dramatically improving scalability and significantly reducing outages during Q4 and Prime Day
- **Platform Migration:** Led vendor help platform migration from Perl to Java while maintaining system expertise, collaborating with Product Management and providing knowledge transfer across teams
- **Agile Transformation:** Initiated and spearheaded team's transition from SCRUM to Kanban, implementing a process framework still driving team efficiency after 10+ years

SOFTWARE DEVELOPMENT ENGINEER I, AMAZON | JANUARY 2012 - JANUARY 2015

Developed and maintained critical components of Amazon's retail order processing infrastructure.

- **Service Architecture:** Led decomposition of monolithic C++ Order Manipulation Authority (OMA) system into Java microservices, implementing key components integrating with CASE backend aggregation service
- **Business-Critical Systems:** Architected and solely implemented order backfill system that became crucial infrastructure for handling post-order failures across Amazon's retail platform
- **Technical Authority:** Served as primary subject matter expert for Product Authority service, managing system health and providing comprehensive training across teams
- **System Performance:** Orchestrated complex software deployments while diagnosing and resolving performance issues, maintaining 99.99% service availability in high-throughput environments

JR. JAVA SOFTWARE DEVELOPMENT ENGINEER, NTELX | JUNE 2011 - DECEMBER 2011

Led development of mission-critical Medicare/Medicaid data processing systems for government healthcare initiatives.

- **System Architecture:** Built end-to-end web application architecture with optimized database design, eliminating week-long data preprocessing requirements
- **Performance Engineering:** Engineered 40x improvement in report generation speed, reducing processing time from 20 minutes to under 30 seconds

EDUCATION

B.S. APPLIED MATHEMATICS, UNIVERSITY OF WASHINGTON | GRADUATED MARCH 2011

- Received Women in Science and Engineering scholarship
- Received PSAT scholarship for underprivileged peoples
- Dean's List - Fall 2010 & Spring 2011