

Yesh Singh

Seattle, WA | 716-717-2105 | yeshkumar95@gmail.com | linkedin.com/in/yeshks

EDUCATION

- **University at Buffalo** Buffalo, NY
Master of Science in Computer Science; GPA: 3.7 August 2017 – May 2019
- **K.J. Somaiya College of Engineering** Mumbai, India
Bachelor of Engineering in Computer Engineering; GPA: 3.5 August 2013 – May 2017

EXPERIENCE

- **Slack** Seattle, WA
Senior Software Engineer, Platform Technical Architecture September 2025 – Present
 - Leading development of Slack's MCP (Model Context Protocol) server, enabling seamless AI-powered integrations for enterprise customers and third-party developers.
 - Architecting and enhancing Slack App Infrastructure to improve developer experience and integration capabilities across the platform ecosystem.
 - Collaborating cross-functionally with product and partner teams to drive partner feedback initiatives and define technical roadmaps for platform extensibility.
- **Amazon.com, Inc.** Seattle, WA
Software Development Engineer II February 2020 – September 2025
 - Led migration from legacy batch systems to event-driven architecture, automating financial processes for multi-billion-dollar vendor funding programs and reducing invoice turnaround time significantly.
 - Architected and delivered an AML/CFT compliance platform for Amazon payment entities worldwide, enabling suspicious activity monitoring and regulatory reporting to agencies including FINCEN and NCA.
 - Owned end-to-end delivery of analytics, legal, tax, and SOX compliance initiatives across requirement gathering, development, testing, and production deployment.
 - Resolved high-severity production issues preventing billing blockages for multi-million-dollar vendor agreements; mitigated payback risks for cancelled agreements.
 - **Awards:** VP-level "Just Do It" Award (Q3 2023) for bias for action; Director-level recognition (Q3 2024) for ownership in system deprecation.
- **Walmart** Sunnyvale, CA
Software Engineer III August 2019 – February 2020
 - Designed and implemented a personalized browsing service that re-ranks search results based on purchase history, driving \$2M+ weekly revenue increase.
 - Built high-performance caching layer for personalized search, improving system throughput by 500%.
 - Led cloud migration of data pipelines for Search and Personalization team; collaborated with Data Scientists to optimize search relevance.
- **Sentient Science Corporation** Buffalo, NY
Data and Software Engineering Intern June 2018 – December 2018
 - Developed event validation algorithm for wind turbine sensor data, improving simulation accuracy for gearbox component wear predictions.
 - Built automated report generation tool providing Data Scientists with daily actionable insights.

TECHNICAL SKILLS

- **Languages:** Java, Python, TypeScript, JavaScript, Hack (PHP), Golang, Scala, SQL, Rust, Shell
- **Cloud & Infrastructure:** AWS (Lambda, DynamoDB, S3, SQS, SNS, Kinesis, EventBridge, ECS, RDS, Redshift), Azure (AKS, Functions, Pipelines), Docker, Kubernetes, Terraform, AWS CDK
- **Frameworks & Tools:** Spring, gRPC, Node.js, React, Vue.js, Redis, Elasticsearch, MongoDB, PostgreSQL, Kafka, Splunk, Grafana
- **AI & Protocols:** Model Context Protocol (MCP), LLM Tool Integration, AI Agent Development, OpenAI API, Claude API
- **Practices:** Distributed Systems, Event-Driven Architecture, CI/CD, Infrastructure as Code, System Design