

CHINMAY SAWAJI

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PROFESSIONAL SUMMARY

Staff-level Software Engineer with 10+ years designing and implementing large-scale distributed systems and resilient data platforms. Technical leader driving architectural decisions across multiple teams, with deep expertise in error management, data orchestration, and reliability engineering. Proven track record of mentoring engineers, establishing engineering standards, and delivering high-impact projects that reduce costs and improve system resilience.

SKILLS

Technical Expertise: Distributed Systems, Data Platform Architecture, Resilience Engineering, Error Management Systems

Languages & Frameworks: Python, Java, Kafka, gRPC, HTTP/1, HTTP/2

Cloud & Infrastructure: AWS (S3, Lambda, DynamoDB, SNS, SQS), Kubernetes

Engineering Leadership: Technical Strategy, System Design, Mentorship, RFC Authorship, Cross-team Collaboration, Agile Development

WORK HISTORY

LEAD ENGINEER

12/2023 to CURRENT

Klaviyo | Boston, MA

- Driving technical strategy as Technical Lead for data orchestration infrastructure unification across 6 teams, architecting scalable ingestion system handling customer data from e-commerce platforms to data lake, reducing operational costs by 40%
- Architected and implemented Event Gateway with dual failure capture mechanism for resilient event publishing, processing 170,000 events per second at peak and ensuring zero data loss for all events ingested into Klaviyo. Authored technical blog post detailing the architecture: [Building a Resilient Event Publisher](#)
- Established and drove organization-wide adoption of standardized release planning process, reducing production incidents during releases by 20% and improving deployment efficiency across multiple teams
- Recognized as subject matter expert for error management and resilience patterns, consulted by 5+ teams across engineering organization for system design reviews and architectural decisions
- Authored 5+ architectural RFCs and design documents defining standards for error handling, retry mechanisms, and observability patterns adopted across engineering organization
- Mentored 4+ engineers from mid-level to senior level, establishing mentorship framework and technical growth paths

SOFTWARE DEVELOPMENT ENGINEER

10/2015 to 11/2023

Alexa Amazon.com | Cambridge, MA

- Designed integration of sensor data and events on Alexa multimodal devices to control device states for both FireOS (Android-based OS) and C++, establishing patterns for cross-platform device management
- Launched Alexa skill ratings enabling customers to provide ratings via voice and touch on multimodal devices, reducing friction and increasing overall skill ratings by 2.5 stars across 11 locales
- Built and led team of 3 engineers (hired 2), designed and implemented automated data pipeline to compute econometric models for downstream value analysis of Alexa experiences. Reduced computation time from 4 months with 2 BI engineers and 1 economist to less than a week, enabling onboarding of 100+ workflows in 1 week (previously required 1 BIE and 1 economist for 1 month)
- Led initial design and implementation for Alexa derived data deletion service for GDPR compliance, handling peak 5K TPS of deletion traffic and supporting 3 archive formats

- Conducted 100+ technical interviews across multiple engineering levels, contributing to team growth and establishing hiring standards

SOFTWARE DEVELOPMENT ENGINEER

01/2014 to 10/2015

Amazon Fulfillment Technologies (AFT) Amazon.com | Seattle, WA

- Designed CRUD API in Java for inventory problems and defects for inbound fulfillment center, improving operational efficiency

SOFTWARE ENGINEER

01/2013 to 01/2014

FactSet Research System | Norwalk, CT

- Designed and implemented C++ service to authenticate and authorize users accessing financial market data

TECHNICAL LEADERSHIP & VISIBILITY

- Published "[Building a Resilient Event Publisher with Dual Failure Capture](#)" on Klaviyo Engineering Blog, demonstrating technical thought leadership and contributing to engineering community
- Authored 5+ architectural RFCs and design documents defining organization-wide standards for error handling, retry mechanisms, and observability patterns

EDUCATION

Master of Science | Computer Science

12/2012

College of Computer and Information Science, Boston

- Majored in database system design

Bachelor of Computer Engineering

05/2010

University of Mumbai, Mumbai, India

- Graduated with distinction