

Xiaojing Ji

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Professional Summary

Software Development Manager with **7+ years at Amazon and Microsoft**, leading large-scale distributed systems that power **9 billions+ monthly visits from Amazon shoppers and 50 millions+ of brand followers worldwide**. Experienced in **team building, technical vision, and applied AI/ML integration** (LLMs, personalization). Expertise in **cloud-native architectures** (AWS, Azure), **recommendation systems**, and **A/B experimentation**. Trilingual in English, Chinese, Japanese.

Work Experience

● Software Development Manager at Amazon, Seattle HQ (May 2024 - Present)

Leadership & Strategy

- Define Brand Stores shopper experience 3-year technical roadmap, project priority, and execution planning for driving personalization and dynamic content experiences.
- Partner with Products, UX, science teams, and cross-org engineering teams to align strategy and feature delivery over 900k+ brands.
- Transition to manager role started from May 2024. Since the transition, build 2 teams with 6+ members each.

Technical Direction

- Own shopper-facing architecture for 3 Tier-1 services and 10+ microservices, including the entire rendering engine of Amazon brand stores, sustaining 12K+ requests/seconds over 22 countries.
- Deliver dynamic experience and product ranking features that improve engagement metrics globally.

● Senior Software Development Engineer at Amazon, Seattle HQ (December 2022 - May 2024)

- Engineering tech lead for Brand Stores and Brand Follow programs, serving 9 billions+ monthly visits and 40M+ brand followers.
- Led store architecture adoption to dynamic experience in real-time. Expanded Brand Follow in 13 countries.
- Led 30+ A/B experiments as bar raiser for Sponsored Ads and Creative X. Performed data analysis using internal tools and AWS EMR to guide feature launches.
- Mentored junior software engineers and interns. Active interviewer for SDE hiring since 2021.

● Software Development Engineer II at Amazon, Seattle HQ (August 2020 - November 2022)

- Founding member of Brand Follow. Building services on Lambda, ECS + EC2 to scale for ~6k+ requests/sec.
- Developed sourcing in PySpark AWS Glue with applied scientists for brand recommendations propensity model and branded deals push notification.
- Majority development in Java, Scala, and Python on AWS services. Additional experience in Typescript, SQL/NoSQL, and Ruby.

● Engineering Service Engineer at Microsoft, Redmond campus (March 2018 - July 2020)

- Designed DataBricks/Azure Data Factory with Spark jobs and CI/CD pipelines for large-scale threat modeling.
- Built auto-recovery system, and Infrastructure As Code(IaC) for reliable production services in Azure.

● Global Products Development Software Engineer Internship at ADP (May - August 2017)

- Front-end development(AngularJS): Integrated Google Analytics to track real-time user behaviors on websites, client/workload distributions. Generated reports for future data analysis.
- Back-end development(Spring Framework/Spring Boot): Modernized backend Data Bridge project to Spring Boot.

Work Authorization

- US permanent resident. No sponsorship needed.

Education

Master in **Computer Science** - Georgia Institute of Technology, Atlanta, GA (August 2016 - December 2017)

Bachelor in **Computer Science** and **Core Mathematics** - Purdue University, West Lafayette (August 2012 - May 2016)

Skills & Tools

Languages: Java, Python, Scala, JavaScript/TypeScript, C#, C++, SQL/NoSQL, Ruby, Powershell, x86, ARM, MATLAB

Cloud & Platforms: AWS (SageMaker, Bedrock, Lambda, ECS/EC2, Step Functions, Glue, EMR, DynamoDB, S3, Amplify, CDK), Azure (Data Factory, Databricks, Service Fabric, Cosmos DB), Google Analytics

Frameworks & Tools: Spring, Spring Boot, TensorFlow, PyTorch, Flask, Spark, React, .NET, Sklearn

Expertise: Distributed systems, personalization and recommendation models, A/B testing, applied AI/ML integration