Xiaojing Ji
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Work Experience

- **Software Development Manager at Amazon, Seattle HQ**   May 2024 - Present
  - Lead Brand Stores shopper experience in 22 countries, with 12k requests/second over 900k brands.
  - Own architecture of 3 Tier-1 services and 10+ microservices, bring personalization, dynamic content rendering, and product ranking on brand stores.
  - Build technical version, 3-year plan, project priority and execution planning for the team.
  - Adopt LLM/LRM for brand agents and augmented dynamic experience for store shoppers.
  - Transition to manager role started from May 2024. Build 2 teams with 6+ members.
- **Senior Software Development Engineer at Amazon, Seattle HQ**   December 2022 - May 2024
  - Engineering tech lead on Brand Stores and Brand Follow program architecture, design, and development for Amazon brand shopping experiences using AWS and internal platforms. Brand Store has 9 billion monthly visits and the Follow program has scopes of > 40 million followers on brands with Amazon shoppers.
  - Lead store architecture adoption to support dynamic experience in real-time. Drive worldwide expansion of Brand Follow in 13 countries in 2023.
  - A/B test bar raiser for Sponsored Ads and Creative X. Lead 20+ A/B tests for brand stores/follow and conduct post experiment data analysis using internal tools and AWS EMR.
  - Active mentor to junior software engineers and interns since June 2021. Active interviewer to SDE candidates.
- **Software Development Engineer II at Amazon, Seattle HQ**   August 2020 - November 2022
  - Founding member(5 total) of Brand Follow programs. Built scalable services in Lambda, ECS + EC2 handling ~6k/sec peak traffic for personalized shopping experience.
  - Developed sourcing in PySpark AWS Glue with applied scientists for brand recommendations propensity model and branded deals push notification.
  - Majority development work in Java, Scala, and Python on AWS services. Minor development in Typescript, SQL/NoSQL, and Ruby.
- **Engineering Service Engineer at Microsoft Redmond campus**   March 2018 - July 2020
  - Architecture design of security threat model jobs in Spark, DataBricks, and Azure Data Factory.
  - CI/CD, auto-recovery from failures, and Infrastructure As Code(IaC) for production services in Azure.
- **Global Products Development Software Engineer Internship at ADP**   May - August 2017
  - Front-end development(AngularJS): Roll in Google Analytics to track real-time user behaviors on websites, client/workload distributions over data centers. Generate and export data reports for future data analysis.
  - Back-end development(Spring Framework/Spring Boot): Convert the existing Data Bridge project to Spring Boot.

Work Authorization US permanent resident. No sponsorship needed.

Education

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

Purdue University, West Lafayette, IN   August 2012 - May 2016
  Double-majored Bachelors in **Computer Science** and **Core Mathematics**.

Projects and Research on Github: https://github.com/XJi

Skills & Tools

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

Platforms/Frameworks/Libraries: AWS (ECS + EC2, Lambda, Bedrock, SageMaker, Glue, EMR, CloudWatch, Step Functions, Kinesis, DynamoDB/S3, Amplify, CDK), Python Flask, Spring, Spring Boot, Android Development, Spark, Google Analytics, Azure, .NET, ML.NET, Sklearn, Keras,Tensorflow, React, React Native

Coursework/Knowledge: Computer Vision and Language, Complexity and Algorithms, Advanced Operating System, Computer Networks, High Performance Computer Architecture, Internet Computing, System Programming, Software Engineering&Testing, Data Structures, Computer Security, Cryptography, Database Design, Virtual Reality Applications, Brain and Computation, Enterprise Computing, Smart Cities and IoT, Probability, Discrete Mathematics, Real-time System Designs.

Languages: Trilingual in English, Chinese, and Japanese.