

# Dexin Wang(Dex)

## Software Engineer/ Full Stack Engineer

### Summary

Results-oriented Software Engineer with **7.5** years of experience in backend services, web applications, and database systems. Proven expertise in designing scalable systems, implementing privacy-compliant features, and delivering **AI-integrated solutions**. Skilled in modular design, performance optimization, and collaborative development. Strong leadership experience in roadmap planning, cross-team collaboration, and project ownership.

### Personal Info

🏠 Seattle, WA

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### Education

#### University of Oregon

Master of Computer Science, June 2017

Bachelor of Computer Science, June 2015

### Technical Skills

#### Programming Languages:

Java, Python, React, TypeScript, Ruby

#### Databases:

DynamoDB, Athena, Redshift, Amazon S3, SQL SERVER, Oracle DB, MySQL

#### Cloud:

AWS

#### AI Language Models:

Amazon Nova, Anthropic Claude, Mistral

### Work Experience

#### Amazon – Software Development Engineer

Seattle, WA | Oct 2020 – Present | Alexa Privacy Experience Team

- Led the **Alexa+ VUI Privacy Deletion Project**, embedding a Privacy Deletion Expert into the Alexa+ routing infrastructure. Integrated AI-driven runtime and offline classification models to process approximately 60 TPS privacy deletions. These classifications serve as monitoring signals to verify that Alexa+ routes and handles deletion requests in accordance with privacy expectations.
- Built a **Red Teaming Infrastructure** for Alexa AI, enabling systematic testing of unexpected or incorrect Alexa+ responses. Designed and implemented both a UI and backend service that allow internal users to input test content, generate corresponding prompts and expected outputs, and automatically run them against Alexa+. The system evaluates actual Alexa+ responses by comparing their semantic similarity with the expected one.
- Architected a highly concurrent, asynchronous **Privacy Deletion Platform** for GDPR, CCPA, HIPAA, and Alexa Privacy Promise compliance. The platform processes over 10,000 transactions per second and supports 300+ dataset owners. Designed for high cohesion and low coupling, it includes robust monitoring and automated ticketing to ensure all data deletion requests are resolved within the legally mandated 30-day window.
- Collaborated with engineering managers on **annual team roadmap planning**, including the creation of prototype projects to broaden team impact. Worked cross-functionally with stakeholders to ensure project alignment and delivery. For operational systems, conducted in-depth traffic analysis to ensure resilience and correctness during peak usage periods.
- Acted as a reliable and thorough **on-call engineer**, efficiently triaging tickets by prioritizing based on customer and business impact. Investigated and documented root causes, and implemented both short-term mitigations and long-term resolutions to improve system stability.

#### Horizon Tire Company – Software Developer

Greater Los Angeles, CA | Oct 2019 – Oct 2020

- Developed an E-Commerce Fulfillment System in C# to process and integrate Walmart and Amazon orders via Teapplix middleware.
- Customized ERP modules (accounting, purchasing, inventory) using Ant Design and .NET Core.
- Built RESTful APIs using .NET Core (MVP architecture) for wholesale order management.
- Deployed SQL Server Reporting Services (SSRS) to enhance sales reporting, contributing to a 15% sales increase on Walmart.

#### Sun West Mortgage Company – Software Developer

Greater Los Angeles, CA | Mar 2018 – Aug 2019

- Built web-based Loan Management Systems in Java, using agile practices and Spring Framework.
- Refactored backend modules into reusable components, improving maintainability and scalability.
- Developed a Java Servlet-based API Distributor to consolidate multiple legacy APIs.
- Implemented a centralized Data Change Handler, reducing loan monitoring time by 70%.