

# YICHONG SHEN

## PRODUCT / FULL-STACK ENGINEER

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### SUMMARY

Product-minded software engineer with Amazon backend depth and hands-on experience shipping deployed web products and automation tools. Owns delivery from requirements and architecture through implementation, validation, and production release.

### SKILLS

**Java Technologies:** Java SE 8/11, Java EE concepts, Spring and Spring Boot concepts through comparable Amazon-internal Java frameworks, microservices, REST APIs

**Architectures:** MVC, full-stack web applications, microservices, event-driven systems, Apache Kafka concepts, pub/sub and queues, authentication, authorization and access control

**Databases:** DynamoDB, SQL, Cloudflare D1, data modeling, schema migrations, D1/R2 persistence

**Languages:** TypeScript, JavaScript, Java, Python, C#, SQL, HTML/CSS

**Specialized Software:** Visual Studio, Visual Studio Code, React, Next.js, Node.js, Git, GitHub, Google OAuth, Google Apps Script, OpenAI API, unit/integration testing, UAT, CI/CD

**Cloud Technologies:** Cloudflare Workers, D1 and R2; AWS Lambda, EventBridge, DynamoDB, S3 and CloudWatch

**Miscellaneous Skills:** Product ownership, requirements clarification, system design, production debugging, cross-functional delivery, problem solving and communication

### PROFESSIONAL EXPERIENCE

#### Amazon | Software Development Engineer | Jul 2022 - Apr 2026

*Prime Video Financial Systems | Jan 2023 - Apr 2026*

##### Bundle Accounting Product Launch

- Translated incomplete component events into five atomic accounting workflows required for launches covering 12,200 initial pre-orders and products associated with \$43.4M in 2025 revenue.
- Owned delivery from ambiguous Finance requirements and technical design through implementation, rollout, validation, and production support.

##### Launch & Testing Automation

- Expanded an integration-test generator from two to seven product lines, cutting test creation from 1-2 days to 10 minutes per marketplace and saving an estimated 20-40 engineer-days across 2025 launches.
- Created UAT workflows and trained QA technicians across four product lines, reducing execution time by 50% and preparation time by 40%.

##### Financial Operations & Cross-Functional Delivery

- Automated Apple remittance adjustments and investigation reporting, replacing an estimated 96 accountant-days of annual manual effort with a repeatable workflow.

#### Amazon Music | Software Development Engineer | Jul 2022 - Jan 2023

- Built operational tooling and partnered with service owners to diagnose customer-impacting failures and translate findings into maintainable engineering fixes.

### SELECTED PROJECTS

#### Garater | Live deck-building and analytics product | Live

- Built and launched a responsive web product integrating an official card API, multidimensional scoring and visualization, Google OAuth, and Cloudflare Workers/D1 sync; reached 1.45K unique visitors over the preceding 30 days in a late-August 2026 analytics snapshot.

#### Echo Archive | Secure multi-user workflow platform | Live

- Designed a TypeScript/Next.js application with server-enforced role and content authorization, private sessions, D1/R2 persistence, database migrations, and production deployment.

### EDUCATION

University of California, Irvine | B.S. Computer Game Science