Meng Zhou

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About

Full-stack software engineer with 15+ years of experience designing and delivering high-performance, scalable systems across cloud-native, enterprise, and on-premise environments. Deep expertise in Java ecosystems, REST APIs, cloud platforms (AWS/GCP), and system modernization. Proven ability to lead technical transformations, optimize system performance, and contribute to engineering excellence through mentorship and internal knowledge sharing. Certified in Java, AWS and GCP.

Top skills

Cloud Computing • Database • Java • JavaScript • Web

Experience

Senior Software Engineer at EPAM Systems, 2022 - 2025
Company overview: Software Engineering & Product Development Services.

As a software consultant, work for different clients and projects.

Jira Issue Backend Platform at Atlassian, July 2024 - June 2025

- In Appa team, moving Jira issue REST API to be backed by Jira Issue Service. So that we can get the performance, reliability and cost-saving benefits.

- Some performance improvements saved more than $800K cost per year.

PPSR at Equifax, July 2023 - June 2024

- PPSR (an enterprise integration project) stabilisation and modernisation.

- Primary technologies: Apache Camel, Google Cloud, Spring Boot.

Jira Issue Backend Platform at Atlassian, May 2022 - June 2023

- In Jira Migration Performance (Jampot) team, made overall Jira migration throughput improvement by 2.5x and reduced Jira migration REST endpoint latency by 75%.

- In Monolith CRUD (MCRUD) team, focus on bulk resolving and defer setting for different types of issue fields to improve performance and reliability. Some code runs more than 10 million times per hour.

at EPAM Systems, May 2022 - July 2025

- As an EngX mentor, review unit test (Java and JavaScript) assignments of mentees from different countries.

- Research and share knowledge with the local community. For example, made a presentation 'Introduction into JDK 21'.

Senior Software Engineer at TutisVReddo, 2018 - 2022
Company overview: Cloud + VR Workforce Training & Compliance Solutions.

As the main developer in a small team, focus on the main product, also work in some other areas.

Everyday work

- Legacy system backend development (AWS, Java, Spring, PostgreSQL)

- Legacy system frontend development (CSS, HTML, JavaScript, JSF)

- Microservices system architecture and development (AWS, Java, MongoDB, Spring Boot)

- Third party system integration (SecurePay, USI, WorkMobile, Xero)

- Working as technical support tier 3, handling the most difficult support problems

Partially work

- Cloud system building and maintenance (AWS, Bash, Linux, Python)

- CI/CD tools building and maintenance (Artifactory, AWS, Git, TeamCity)

- CMS system development and support (MySQL, PHP, React, WordPress)

- Future system research and prototype (AWS Lambda, Kafka, Machine Learning, React)

- Designing questions and interviewing with candidate for employment

Software Developer at Fedelta POS, 2017
Company overview: A provider of point of sale software.

- Developed, enhanced and supported an existing Java based (Spring, Hibernate, Swing) n-tier point of sale software suite as a member of a small team. Made some new modules like FlexiSchools integration, ResDiary integration, scheduled printing.

- As a team member, developed a new mobile APP of ordering meals on Android and iOS platform by using Angular and Ionic.

Analyst Programmer at Sealy of Australia, 2012 - 2016
Company overview: The leading premium mattress manufacturer in Australia.

- Developed some new features with Java and Web technologies for the online system, such as 'Asset Register' module, 'Sales Forecasting' module and 'Barcode Scanning' application.

- Designed and developed a Windows APP (POS system) from scratch for overseas retail stores. The server was made by Java and the client was made by C#. This APP has been used in several countries and receiving widespread praise and compliments.

- Greatly improved the performance of some slowest pages in the online system, such as 'Sales Order Entry' page. Also developed some performance analysis tools including an automatic performance logger.

- Created programs to migrate database from Informix to SQL Server, and modified the Java code to make it work on both databases. The other technology migrations included: Java 1.4 to Java 1.7, OptimalJ projects to Eclipse projects, Accelio to iText for generating PDF, DocuShare to SharePoint for managing attachments, Cognos PowerPlay to Microsoft SSAS as OLAP, Unix crontab to Windows scheduled task, CVS to GIT as source control, etc.

Senior Software Developer at ZTE, 2005 - 2011
Company overview: One of the top 10 telecommunication equipment companies in the world.

- Developed an application platform from scratch, which allowed users to create web-based applications without coding. The platform included modules such as IDE, runtime engine and components, and I was mainly responsible for the runtime engine. The platform was applied to several enterprise projects and significantly reduced development costs.

- Worked as a developer and architect for the management module of Next Generation Call Centre (NGCC) by using Java and Web technologies. NGCC system has become one of the company's most important products and has been successfully working worldwide in many operators.

- Improved the development efficiency of the department significantly by introducing several technologies and tools, including Ajax, Eclipse, Firefox, Spring and Subversion.

- Was elected into the 'Web Technology Expert Group' in 2008. Was nominated three times as 'Most Innovative Employee of the Year' and won the prize in 2009.

- Invented and registered two software patents in China for the company.

System Administrator at China Pacific Insurance, 2002 - 2005
Company overview: The second largest property insurance company and the third largest life insurance company in Mainland China.

Certifications

- Google Cloud Certified Associate Cloud Engineer, 2023

- AWS Certified Solutions Architect Associate, 2022

- Sun Certified Programmer for the Java Platform 1.4, 2005