

# WEI YE (WAYNE)

FULL STACK/STAFF SOFTWARE ENGINEER

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## Biography

Staff-level Software Engineer with 20+ years of experience designing, delivering, and operating robust, large-scale microservices and multi-cloud platforms.

Specializes in reliability and observability, with measurable improvements in uptime, Apdex, MTTR, and operational efficiency.

Applies a calm, pragmatic approach to complex problems, enabling teams to deliver reliable systems through collaboration, mentorship, and sound technical judgment.

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## Experience

### Hewlett-Packard Enterprise Senior Cloud Engineer

Nov 2023 - Present

- ▶ Design, develop, and operate the authentication/authorization platform for [HPE Aruba Central](#), an industrial leading WIFI network management platform.
- ▶ Lead monitoring and observability initiatives, driving a 40% reduction in Mean Time to Resolve (MTTR) and achieving 99.95% SLA compliance.
- ▶ Collaborate cross-functionally to improve platform reliability, scalability, and operational excellence in a large-scale cloud environment.

Key technologies: Golang, Python, Terraform, Kubernetes, OpenSearch.

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### Sisu Data

Staff Software Engineer

Oct 2021 - Oct 2023

- ▶ Led the project of enhancing Sisu cross-cloud infrastructure (AWS and GCP), significantly increased the uptime to 99.98%, and achieved a 40% cost reduction within 6 months!
- ▶ Optimized terabyte data ingestion performance for the KDA (Key Driver Analysis) decision-making engine, reduced average processing time by 15%.

Key technologies: Python, Rust, TypeScript, Kubernetes (EKS/GKE), Snowflake, CircleCI.

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### Autodesk

Senior Principal Engineer/Technical Lead

May 2013 - Sep 2021

- ▶ Designed/co-founded [Autodesk Health Dashboard](#), a powerful 7\*24 health monitoring/alerting platform, it monitors 800+ Autodesk microservices with real-time alerting features (PagerDuty/Slack/Email), providing SLOs/SLAs and error budget consumption reports, it was well architected and implemented for high availability, fully elastic and scalable.
- ▶ Full-stack engineer for [Autodesk Drive](#) and [Autodesk Forge](#), [Autodesk Accounts](#)

- Led a development team and built [Autodesk Developer Platform](#) from scratch, it provides SaaS development portal for Autodesk developers around the globe, technical stacks including Python+Django, Nodejs, C#, MongoDB/Cassandra, Docker, Mesos, ZooKeeper, etc.

Key technologies: Python+Django+Flask, React, AWS  
ECS/Lambda/Aurora/Elasticache(Redis)/DynamoDB/CloudFront, etc.

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**ThoughtWorks**  
Software Consultant

May 2012 - Apr 2013

Onsite Consultant for the Diamond Subscription Platform at [Real estate Australia](#) (Ruby On Rails), driving a 30% improvement in website's [Apdex](#) through ORM-layer refactoring and frontend performance optimizations.

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**Hewlett-Packard (PSG - Consumer Experience)**  
Senior Software Design Engineer/Tech Lead

Mar 2009 - Dec 2011

As a tech lead, I led a development team in Shanghai and collaborated with US team on delivering several HP Software Products: [HP Total Care Advisor®](#), [HP Customer Experience Enhancement](#).

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**Beyondsoft (Onsite to Microsoft)**  
Onsite Software Engineer

Jan 2008 - Feb 2009

Worked onsite in Microsoft Redmond Campus for several projects: WM Captaris, MSN Video Catalog Editorial Tool and Visual Studio 2010 MSDN Help Viewer.

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**Shanghai-Digital Information Technology Co., Ltd**  
ASP/ASP.NET Web Developer

Jul 2005 - Nov 2007

Developed several web projects for Kintera, including: [Import Center](#), Transaction Platform, Financial Link and [Single Gift Entry](#), using technologies including C#, ASP.NET, Ajax, etc.

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**Certifications & Recognition**

- [AWS Certified Solutions Architect \(Associate\)](#)
- Author of <[Instant Cucumber BDD How-To](#)> ( [Kindle Version](#), [Google Books](#) )
- [CodeProject MVP](#).
- First prize winner in [CodeProject HTML5 & CSS3 Competition](#) in 2011, the award was an iPad 2.

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**Education**

**Wuhan JiangHan University (2001 - 2005)**  
Computer Science and Technology | Bachelor Degree