

WEI YE (WAYNE)

FULL STACK/STAFF SOFTWARE ENGINEER

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Biography

Seasoned Staff Software Engineer and Full Stack Developer with over 20 years of experience across diverse programming languages and platforms. Certified AWS Solutions Architect and CodeProject MVP, proficient in Python, JavaScript/TypeScript, Golang, Rust, C#, and Ruby. Passionate team player and innovative problem solver, specializing in delivering highly available, scalable web and cloud services.

I thrive in dynamic environments, driving measurable results through collaboration, mentorship, and a proactive approach to technology. I deeply believe ideas/solutions always outnumber challenges, every challenge is an opportunity to innovate and grow, and I'm passionate about helping teams deliver excellence in challenging projects.

Highlights

- ▶ [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.

Experience

Hewlett-Packard Enterprise Senior Cloud Engineer

Nov 2023 - Present

- ▶ Developed authentication/authorization platform (Golang/Python) for [HPE GreenLake](#), enabling performant, scalable and highly available distributed services.
- ▶ Lead the monitoring/observability enhancement initiatives for AWS EKS, Aurora RDS and OpenSearch.
- ▶ Reduced Mean Time to Resolve (MTTR) by 40% through cutting-edge DevOps practices (fully automated CI/CD pipelines, cross-cloud IaC), achieving 99.95% SLA compliance.

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

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.

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.

ThoughtWorks

Software Consultant

May 2012 - Apr 2013

Core Developer of ThoughtWorks China Cloud platform based on Openstack.

Core Developer of [Diamond Subscription website of Real estate Australia](#), built with Ruby on Rails.

- ▶ Server side architecture re-design, delivered proven improved resiliency, maintainability and scalability.
- ▶ Improved client page loading performance by leveraging CDN and fingerprint for static files, the average loading time reduced 40%.

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](#).

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.

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.

Education

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