

WEI YE (WAYNE)

FULL STACK/STAFF SOFTWARE ENGINEER

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Constellation: Libra



Biography

Veteran full stack engineer/technical lead, certified AWS Solutions Architect, CodeProject MVP, over 18 years' solid experience in a wide range of programming languages/platforms including in C# (ASP.NET), Python (Django/Flask), JavaScript/TypeScript, Ruby (RoR), team player and problem solver, with strong expertise and passion in delivering highly available, scalable web/cloud services.

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.
- ▶ PSIA Certified Ski instructor (Alpine Level 1)

Experience

Sisu Data

Oct 2021 - Now

Staff Software Engineer

- ▶ Build backend APIs for KDA (Key Driver Analysis) based decision-making engine; optimize terabyte data warehouse ingesting performance.
- ▶ Administrate Sisu infrastructure on both AWS and GCP, achieved higher availability and 40% cost reduction within 6 months.

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

Autodesk (San Francisco)

Jan 2015 - Mar 2019

Principle Engineer/Technical Lead

- ▶ Designed/co-founded [Autodesk Health Dashboard](#), a real-time health monitoring/alerting platform, it monitors/measures 800+ Autodesk micro services, providing SLOs/SLAs and error budget consumption reports, it was designed and built for highly availability, fully elastic and scalable.
- ▶ Full-stack engineer (working with PM, designer) for [Autodesk Drive](#) and [Autodesk Forge](#), [Autodesk Accounts](#)

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

Autodesk (Singapore) Technical Lead

May 2013 - Dec 2014

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.

ThoughtWorks Shanghai 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%.
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SAP Labs Shanghai Tech Lead

Dec 2011 - Apr 2012

Led an engineering team that was responsible for building the HTML5 + JavaScript web client of [SAP Business One® OnDemand Control Center](#).

- ▶ Designed JavaScript architecture and built up core framework.
 - ▶ Defined/implemented RESTful OData web APIs based on WCF.
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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](#).

Beyondsoft (Onsite to Microsoft) Onside 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)
Bachelor Degree, Computer Science and Technology
