

Su Zhang

Software Engineer

CONTACT ME

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- Sydney

EDUCATION

Certificate in Computer Science
Stanford Online
2023

Diploma of Information Technology
Coder Academy
2022

Bachelor of Architecture
Harbin Institute of Technology
2010 - 2013

SKILLS

- Full Stack Web App Development
- Backend Development
- Self Learning
- Problem solving
- AWS fundamental services
- Mandarin native speaker

EXPERIENCE

- Languages:** JavaScript, Golang, Node.js, TypeScript, Python, HTML, CSS, Ruby
- Frameworks:** React.js, Vue.sj, Express, Ruby on Rails ,gRPC, Rest, Jest
- Software:** VSCode, Figma, SourceTree, AutoCAD, Adobe Illustrator, Adobe Photoshop
- Databases :** PostgreSQL, MongoDB
- Tools :** Buildkite, Backstage, Kubernetes, Git, GitHub, Jira, Trello, Heroku, Firebase, Agile Board, Postman, XMind, Balsamiq, draw.io

SUMMARY

I am a full-stack software engineer with one year of experience. I have a solid grasp of computer science and am a certified AWS Practitioner.

EMPLOYMENT HISTORY

Freelance Software Engineer Dec 2023 - Present
Aetherworks

- Automating a variety of manual business tasks on the e-commerce platform using Vue.js, JavaScript and Google APIs.

Full Stack Software Engineer Intern 2022-2023
SafetyCulture

- Developed full-stack team projects in a microservice architecture that involved many different technologies, such as React, Typescript, Golang and Temporal workflow.
- Worked on a project to integrate the Boston Dynamics Spot robot image and temperature data sensors with the SafetyCulture application.

PROJECTS

Boston Dynamics Spot

- Created an innovative solution using the Boston Dynamics Spot robot that involved robotics programming to independently navigate a predetermined path, capturing high-quality photos and measuring temperature using infrared sensors.
- Utilised the data collected to conduct comprehensive inspections, integrating with the SafetyCulture platform to provide valuable insights into safety and maintenance requirements.
- Leveraged API development skills to upload media to devices used by SafetyCulture customers for more efficient and accurate inspections, enabling seamless access to valuable findings.

Temporal Workflow Engine

- Implemented Data Governance functionality, both frontend and backend, utilising technologies and tools, including Figma, React, TypeScript, gRPC, Go, and Temporal Workflow.
- Integrated Temporal Workflow to efficiently manage complex workflows.
- Presented the feature to a large audience of over 150 engineers and business stakeholders.
- Utilised in BAU to aid data migrations for both small and large customers.

ACHIEVEMENTS

AWS Cloud Practitioner Certificate 2023

Credentials:
https://www.credly.com/badges/4519b7fc-ecbe-419c-8d2c-948bd3cafd34/public_url

- Proficient in core AWS cloud concepts, including cloud architecture, security, and billing, along with a deep understanding of fundamental AWS services and their use cases.
- Skilled in managing AWS cloud infrastructure, including virtual servers (EC2), storage (S3), and databases (RDS), ensuring optimal performance and cost-efficiency.
- Well-versed in cloud best practices, enabling the design and implementation of scalable, reliable, and secure AWS solutions that meet business objectives and compliance requirements.

PERSONAL PROJECTS

OpenAI - Personal writing assistant tool

- Built a personal assistant tool using Golang that leverages AI technology from OpenAI's APIs and integrates into MacOS using Apple shortcuts.
- Features include translating text, enhancing writing, and grammar-checking using the GPT-4 model.
- **GitHub:** <https://github.com/coderGirlSu/translate-tool>

React - Fruit Picking Game

- Built a fruit-picking game using React, CSS, HTML and JavaScript.
- Includes features such as calculating the score, timer, and sound effects.
- **App website:** <https://fruit.codergirlsu.dev/>

MERN stack - Chat App

- Utilised the MERN stack framework to build a chat application that leverages React, Express, Node.js, MongoDB, Firebase, AWS EC2 and Netlify.
- Features include user authentication, group creation and chat rooms, chat history viewing, adding friends, dark mode, and a custom Halloween theme to enhance user experience.
- **App website:** <https://tiktalk.codergirlsu.dev/>
- **GitHub:** <https://github.com/coderGirlSu/TikTalk-server>

Hackathon - React Emoji Search App

- Built an app to search and copy emojis in a four-person team in one and a half days.
- Utilised React, JavaScript, CSS, and HTML, deployed on Netlify.
- Features include search and copy emojis, pop-up toast notifications, and dark mode.
- Collaboration with team using GitHub fork workflow and PRs.
- **App website:** <https://emojis.codergirlsu.dev/>
- **YouTube presentation:** <https://www.youtube.com/watch?v=tTJmHlxH-fo>
- **GitHub:** <https://github.com/coderGirlSu/coder-academy-hackathon-team-why-not>

Ruby on Rails - Marketplace

- Created a two-sided marketplace with the following features:
 - File upload capabilities, user authentication, messaging, search, sorting and filtering capabilities
- Developed using Ruby on Rails, and PostgreSQL, and deployed to Heroku
- **Github:** https://github.com/coderGirlSu/SuZhang_T2A2

RELATED EMPLOYMENT HISTORY

Graphic designer

2019-2021

Access Displays & Digital Printing Pty Ltd

- Developed designs to meet client requirements using industry-standard design tools, including Adobe Illustrator and Photoshop.
- Collaborated with a team of designers, clients and printing companies to create high-quality products and websites

Buildings Architect

2011-2018

Harbin University of Science and Technology

- Drew and designed architectural construction plans and architectural renderings that met client requirements and building regulations using AutoCAD, 3ds Max and SketchUp.
- Communicated with clients to determine planning project requirements and provide updates accordingly.
- Coordinated the design team to ensure aspects such as structural support, water, and electricity arrangements are coordinated throughout the project.