

# George Zhang *Full Stack Developer*

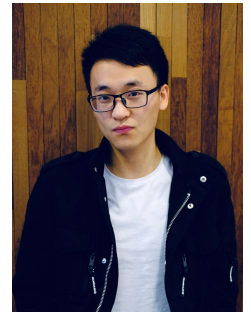
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🔗 Nunchakus888

📍 cartesian233

📍 (Shanghai, China). Capable of working in any time zone.



## 🔑 SUMMARY

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- Familiar with the principles of the Ethereum Virtual Machine (EVM), Ethereum mainnet and L2 chains.

Proficient in **Web3 ecosystem** and **smart contract** programming with **Solidity**, including ERC-721 and ERC-20 tokens. Skilled in blockchain interaction utilizing Web3 or **Ethers** libs.

- Proficient in **JavaScript/TypeScript** and **Node.js**, with expertise in web development technologies and **cross-platform** solutions such as Flutter, Electron, and React Native.

Skilled in utilizing popular frontend frameworks like Astro, **React**, and Angular, and proficient in building tools such as Webpack and Vite. Additionally, adept at implementing **pixel-perfect** web applications using css.

- Proficient in **Python-based technologies**, including FastAPI, and Langchain.  
Familiar with **SQL and NoSQL** databases.

## 📁 PROFESSIONAL EXPERIENCE

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### Bytesprint, Web3 Developer

09/2023 – 04/2024

Remote

- Designing solutions for **synchronizing data** between smart contracts and the backend.
  - **optimizing gas usage**.
  - Interacting with blockchain using ethers.
  - The backend synchronizes the state by listening to smart contract events.
- **Smart contract developing**, and **testing** on local and test networks, such as the Sepolia network, as well as smart contract **upgrading**.
- Providing support for responsive DApp web design, and multi-wallet login.

### Sensetime, Full Stack Developer

09/2021 – 09/2023

Shanghai, China

- AIGC product (miaohua/chat-notion/trust-AI) **microservices** technical architecture design, business splitting, **containerized** management (private cloud), DevOps, and other solution implementation.
- Based on stable diffusion model deployment, export API to external use, model IO formatting, and prompt optimization.
- Development of **cross-platform** technical solutions for AIGC products: mini-programs, electron, and web/h5.
- Enterprise-level web business ecological construction, single sign-on service(SSO), business component library, and CI/CD.
- Ultimate performance optimization of web applications, instant launch of cross-platform common devices, website TPS optimization.

### Alibaba, Web Developer

10/2017 – 08/2021

Shanghai, China

- BS isomorphic applications, serverless edge rendering, and other web page performance optimization, FCP < 1s.
- Taobao Live, live broadcast room component development, communication specification design (micro front-end base on single-spa).
- Leading the design of the micro-front-end architecture based on shell & iframe, unifying the communication methods, and routing definitions. of each business owner and sub-applications.
- Realize log tracking and reporting on different platforms (advertising billing, strictly recording every click and exposure of stores/products to complete the entire order attribution link).

- Develop advertising log reporting SDK, cross-platform JsBridge, and cross-end universal component library.

PROJECTS

- ByteSprint, Global IT crowdsourcing service platform based on web3

10/2023 – 04/2024

  - Front-end: Next.js with Chakra UI, incorporating WAGMI and Ethers libs.
  - Backend: Spring Boot with MyBatis
  - Contract: Ethereum (Arbitrum) using Solidity with Hardhat
  - Responsibilities include engineering architecture selection, smart contract development, testing, and optimizing.
  - Client features encompass cross-platform compatibility, multi-wallet login, and contract interaction.
  - Utilize tools like Hardhat for smart contract testing on test networks, deployment, and upgrading.
  - Designing solutions for synchronizing data between smart contracts and the backend, and optimizing gas usage.
- miaohua, A project uses stable diffusion model capabilities to generate corresponding pictures based on prompt

08/2022 – 09/2023

  - Frontend: NextJs, tailwindcss
  - Backend: FastApi + PyTorch + stable diffusion model
  - Model parameter formatting, and prompt optimization.
  - Secondary processing of model output images, watermarking, QR code overlay, OSS storage, and model file upload.
  - Server-side engineering side microservice hierarchical design, identity authentication service, model IO service, model file storage service, task push service.
  - Microservice RPC communication plan formulation, load balancing, service throughput, QPS optimization.
  - The web service uses HTTP2 protocol + SSR rendering, **FCP < 0.9s**.
  - Responsive design optimized for device screen widths ranging from 320px to 1600px.

SKILLS

<div>ReactJs</div> <div>NextJs / GraphQL / Astro</div> <div><div></div><div></div><div></div><div></div><div></div></div>	<div>NodeJs / Ts</div> <div>NestJs / Express / Electron</div> <div><div></div><div></div><div></div><div></div><div></div></div>
<div>CSS / HTML / Figma</div> <div>MaterialUI/Chakra-ui/Flowbite/Tailwindcss</div> <div><div></div><div></div><div></div><div></div><div></div></div>	<div>Web3</div> <div>EVM / WGMI / ethers / Solidity / Hardhat</div> <div><div></div><div></div><div></div><div></div><div></div></div>
<div>*pack</div> <div>Webpack / turbopack / vite</div> <div><div></div><div></div><div></div><div></div><div></div></div>	<div>Python</div> <div>PyTorch / Flask / FastApi</div> <div><div></div><div></div><div></div><div></div><div></div></div>
<div>Golang</div> <div>gin / go-zero / grpc</div> <div><div></div><div></div><div></div><div></div><div></div></div>	<div>SQL / NoSQL</div> <div>MySql / PostgreSQL / Redis / MongoDB</div> <div><div></div><div></div><div></div><div></div><div></div></div>
<div>Cloud / Tools</div> <div>AWS / AliCloud / K8S / DevOps</div> <div><div></div><div></div><div></div><div></div><div></div></div>	

LANGUAGES

English	<div><div></div><div></div><div></div><div></div><div></div></div>	Chinese	<div><div></div><div></div><div></div><div></div><div></div></div>
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EDUCATION

Diploma in Aircraft Maintenance Engineering 2015, Xi'an Aviation Vocational and Technical College