

ZHANG MENGJIA

hi.zhangmengjia@gmail.com • 65-83488675 • Web Developer • SPR

EDUCATION

- **2015.09-2018.01** **M.E., Software Engineering** **Tianjin University**
Virtual Reality 3D Data Visualization
<https://www.researchgate.net/profile/Mengjia-Zhang>
- **2011.09-2015.07** **B.E., Software Engineering** **Tianjin University**
Google Scholarship, National Scholarship

WORK EXPERIENCE

- **Web Development Engineer** **2022.06-2024.10** **Bitdeer**
Led development of inventory/assets/funds/budget infrastructure platforms in IT.
- **Web Developer** **2019.09-2022.06** **Advance.AI**
Worked on development of app, official site, h5 and internal system in Atome.
Led VideoKYC, DIV platform and AutoOCR Platform in Guardian CV.
- **Front End Developer** **2017.05-2019.08 (including Intern)** **DiDi**
Worked on several key projects of Data Platform in Foundation Platform.

SOFT SKILLS

I am an experienced web developer with 7 years of front-end development expertise. Known for being a quick learner and a collaborative team player, I bring creativity, a strong work ethic, and a commitment to delivering high-quality work.

PROJECT EXPERIENCE

IT, Bitdeer **2022.06-2024.10**

- Led development of inventory/assets/funds/budget infrastructure platforms.
- Optimized product implementation and delivery by setting up workflows, coding and API standards, enhancing consistency and project organization.
- Upgraded front-end architecture and created CLI commands to standardize project setup.
- Developed and encapsulated reusable components, including search tables and low-code action modals based on the form-create library, boosting development efficiency.
- Advocated for Sentry adoption and led tech-sharing sessions; integrated Sentry with Slack for real-time error reporting.
- Contributed to the development of the instance module for Bitdeer AI and mentored entry-level developers to support their growth and ensure successful project delivery.
- Tech: React.js, Next.js, Typescript, Webpack, Sentry, Vue.js, ElementUI, AntD, Umi/max

Datahub, Data Platform, Bitdeer **2023.09-2023.11**

- Overview: Developed data visualization features to present key operational information for finance teams and leadership. Led the creation of Revenue and Self-mining revenue dashboards, designing and implementing essential visual elements, including statistics cards, interactive bar charts, donut charts, and a Sankey chart to represent revenue data and complex relationships. Integrated a "Guide Me" feature to enhance user support.
- Tech: React.js, Typescript, AntV-G2, Mantine Core

Guardian CV, Advance.AI

2020.05-2022.06

- Optimized WebSocket logic for efficient real-time data handling.
- Built and published a universal component library, improving code reuse and development efficiency across projects.
- Conducted code reviews for team members to ensure code quality and provided mentorship and guidance to new team members for a smooth onboarding process.
- Established and maintained CI/CD pipelines, ensuring seamless automated deployment and integration processes.
- Tech: React.js, Typescript, Webpack, Sentry, AntD, MobX, styled-components, opentok.js, websocket, webview bridge

VideoKYC

- Overview: Developed a VKYC platform for video-based identity verification, supporting both client and agent workflows and enabling inbound and outbound calls. Refactored the codebase to enhance performance, implemented production monitoring for issue tracking, and ensured compatibility across WebView, mobile browsers, and PCs. Optimized WebSocket logic, and added network quality monitoring and pre-call testing to deliver a smoother user experience.
- Tech: React TS, AntD, MobX, styled-components, opentok.js, websocket, webview bridge

Atome, Advance.AI

2019.09-2020.05

Atome Official Website

- Overview: Developed and launched key sections of the official website, including Product, Help, About Us, Blog, and Enquiry Form. Implemented SEO features like sitemaps and hreflang tags, ensuring full mobile compatibility and responsive layouts. Built a Nodemailer service for form handling and integrated Ghost for the blog system.
- Tech: React.js, Next.js, TypeScript, styled-components, webpack, tryghost

Atome Web and App

- Overview: Worked on a "Buy Now, Pay Later" app, focusing on event tracking and user monitoring across projects. Integrated with the Data/Bi team for continuous tracking and developed a monitoring system for testing. Dynamically generated download URLs, created QR codes, and customized event tracking for different projects.
- Tech: React.js, Flutter, Framework7, TypeScript, styled components, Appsflyer One Link

Data Platform, DiDi

2017.05-2019.08

- Worked on a one-stop data visualization analysis platform, **DataE**, a BI tool with modules including datasets, visualization reports, and a visualization component library.
- Developed Metric Studio for configuring and managing metrics, implementing a low-code SQL query drag-and-drop component that integrates tree data structures and recursive components.
- Worked on Data Dictionary, Meta Data, Data Query Center, and Data Bank to build a one-stop platform offering users data extraction, visualization, and analysis services.
- Tech: Vue.js, iview, Webpack, Echarts