





Qing Guo

Self-motivated front-end developer endeavouring to master full-stack skill set who believes: One pixel matters

CONTACT

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SKILLS

Front-end Dev

HTML, CSS(SASS), JavaScript (TypeScript), React/Redux, Angular, Echarts.js (Data visualization), Unit testing (Jest/Enzyme/Jasmine), E2E testing (Puppeteer, Protractor), Webpack, CMS

Back-end Dev

Node.js, Express.js, Serverless, AWS Lambda, SQL language

DevOps

Docker, Gitlab CI/CD, AWS-S3, AWS-CloudFront, AWS-EC2, Squarespace

Tools

Atom, Eclipse, Sublime, VS Code, Vi; Angular Augury, Chrome DevTools, React/Redux DevTools; Git; Balsamiq (Wireframing)

WORK EXPERIENCES

Quantworks, Inc. Senior Developer

Raleigh-Durham, USA 2016.05-present

[YouPlea, The Automated Adjudication Services](#)

Clients including Kansas

- YouPlea's online platform connects prosecutors, judges, and citizens to make the pretrial resolution process more efficient
- Designed and developed the uniform front end of two platforms (for citizens and prosecutors) using Angular tech stack
- Architected configurable mechanism to construct highly self-adjustable components to provide personalized experience flexibly
- Built reusable plugins used widely in the team, e.g. Form-Builder and Grid-System
- Led the testing cycle, developed unit tests by Karma and Jasmine, proactively applied optimizations to ensure the products' usability and reliability
- Built the Gitlab CI/CD pipeline to automatically set up environment, test, build and deploy apps with a simple git-push to remote repository

[Hearful, Hear Products Talking](#)

Clients including multiple Global Brand Customers

- Hearful's high-impact business intelligence platform enabling decision-makers to discover, analyze and act on important customer insights
- Designed, developed the front end using React/Redux tech stack, proactively applied best practices in every iteration, continuously improved the product quality
- Built various highly interactive charts to help customers better understand their product insights
- Built the boilerplate, wrote thorough documentation of the async-user-flow middleware to help manage complex async scenario
- Did E2E tests by JEST, Puppeteer to validate the whole system by simulating a real user, did unit tests by JEST, Enzyme and Redux-Saga to ensure components functionality

EDUCATION

Duke University

Master, Electrical & Computer Engineering

2015.8 - 2017.5 Durham, USA

Beijing University of Chemical Technology

Bachelor, Communication Engineering

2010.8 - 2014.6 Beijing, China

PUBLICATIONS

Yu-nan Han, Biao Yang, Qing Guo.
Design of Low-Pass filters with Ultra-wide Stopband Using Asymmetric DGS.
IEEE EMC 2013 Symposium, August 5 - 9, 2013 in Denver, Colorado.

Peixia Sun, Qing Guo, Qian Wang, Wen Shi, Ying Wang, Xuewei Wang.
Compression Algorithm of Power Quality Data based on Two-dimensional Discrete Wavelet Transform. Journal of Computer Applications.

AWARDS

- Special Scholarship sponsored by Cooper Enterprise
- First-class National People's Scholarship
- Second-class National People's Scholarship
- Outstanding Grass-Roots CCYL Leader in Beijing

Fanalytical, Actionable Insights for Athletics

Clients including Villanova University, University of Notre Dame, Rose Bowl Foundation, etc

- Fanalytical's advanced visual analytic platform helps athletic departments turn casual audiences into passionate fans, grow donations and increase top-line revenues in ticketing and merchandise
- Designed and developed the role-based front-end system using React/Redux tech stack and Ant Design
- Encapsulated a reusable API module to make the system integration much easier with external platforms like Tableau (data visualization dashboard) and MailChimp (marketing automation platform)
- Designed and developed a powerful seat map to visualize analytical data of ticket holders which became a highlight sale point
- Dockerized the front-end resources, built and hosted the image on AWS-ECR

Digital China Co., Ltd. Software Engineer

Beijing, China 2014.12- 2015.6

The Beijing Citizen Information Service Online Platform

- www.beijing.cn is the platform of online information services for more than 20 million citizens at Beijing, it provided the services like paying bills (e.g. water / electricity / traffic ticket), government services, policy information lookup, etc
- Provided technical support for the Content Management System (JEECMS) involved different front-end techniques, including FreeMarker, HTML, CSS, jQuery, SEO

OPEN SOURCE EXPERIENCES

Ng-Grid, Angular application

- Ng-Grid is a 24 responsive grids system for building layouts of all shapes and sizes.
- It is a great complement for Angular Material and has been widely used when building the Angular applications

Material Icon, Angular application, Tooling

- Material Icons is a web application providing a neat UI to display Material styled icons, developers can easily explore and pick the icon.
- Code for rendering icon will be generated and copied in the clipboard on the fly

React-Vivus, React application

- React Vivus allows you to animate the SVG image achieved by passing your highly customized animation settings into the React Vivus component, your SVG then is animated