# 程方圆

## 联系方式

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居住地：上海

## 求职目标

Web前端开发，Web全栈开发

## 工作技能

* 10年开发经验，8年Web全栈开发经验，熟悉敏捷开发，熟悉从零开始设计开发整个网站前端和后端服务；
* 有丰富的Web应用开发经验，包括移动端网站、WebView页面、PC网站和微信小程序开发；
* 掌握前端开发技能，熟练使用TypeScript、React、JavaScript、ES6、Redux、SCSS、Webpack、Babel、ESLint、Prettier和Ant Design；
* 有Node.js服务端开发经验，掌握Koa.js框架原理；
* 熟悉Linux开发环境，熟练使用Git、Vim，掌握Bash常用命令，有Docker使用经验，掌握自动化测试和部署技能；
* 有4年小型技术团队（4人）管理经验，包括人员招聘培训、项目进度管理、代码质量管理等；
* 有8年Perl开发经验和1年Python开发经验，熟悉面向对象开发、ORM，熟悉RESTful API设计和开发；
* 熟悉MySQL、Redis，有数据库设计经验，使用过Elasticsearch。

## 工作经历

### 2018/09 – 2020/05 [贝壳找房](https://ke.com) 资深前端工程师，Front-End Team Lead

贝壳找房是依托于链家的居住服务平台。 \* 部门前端负责人，下属3名前端工程师; \* 贝壳找房微信小程序海外频道从零开发到上线，贝壳找房小程序是微信支付九宫格入口之一； \* 贝壳海外频道移动网站<https://m.ke.com/i> 和 [PC网站](https://i.ke.com)维护和开发，网站使用Node.js MVC结构，移动端WebView页面嵌入贝壳找房App、链家App及经纪人App，在不同App端展示不同的逻辑； \* 为经纪人开发多个线上作业工具，比如营销活动、房源带看钥匙管理、交易电子合同和在线签约；前端单页应用使用TypeScript和React开发； \* 技术栈: Node.js, Koa.js, Redis, TypeScript, React, Redux, SCSS, Webpack, Ant Design, ESLint, Prettier;

### 2017/09 – 2018/08 [Shoppo.com](https://get.shoppo.com/) 高级全栈工程师

Shoppo是一家初创的外贸出口电商平台，既开发了自己的B2C[购物App](https://itunes.apple.com/us/app/shoppo-shop-the-world/id1276073764)，又跟国外第三方电商平台合作售卖商品。 \* 参与运营管理后台和商户后台网站开发，包括商品编辑和搜索、订单搜索、发货流程和退款等功能；前端使用React、Apollo GraphQL和Redux，后端使用Python和graphene开发GraphQL Server服务； \* 参与商户ERP对接Shoppo平台，Python Flask RESTful API 开发和文档编写； \* 参与国外电商平台对接Shoppo平台，Python GraphQL Server 开发和文档编写； \* 技术栈：GraphQL, Python, graphene, MySQL, SQLAlchemy, Redis, Elasticsearch, React, Redux, Apollo GraphQL, Ant Design, SCSS, ES6, Webpack, CircleCI, Docker, AWS;

### 2014/09 – 2017/05 [上海磐拓电子商务有限公司](http://www.go-out.cn) 资深全栈工程师，Team Lead

磐拓是一家创业户外装备电商平台，代理经营多个户外品牌。 \* 网站技术团队负责人，下属3名工程师，需求分析、开发计划制定和code review； \* 从零开始开发B2C户外装备电商网站 <https://www.go-out.cn>，网站使用Perl MVC结构，响应式设计，同一路由支持移动端和PC访问； \* 使用Bootstrap和jQuery开发了管理后台，给[GO户外 App](https://itunes.apple.com/cn/app/chu-xing-zhuang-bei-wei-pin/id1076912805)开发了Perl RESTful API服务； \* 网站接入支付宝支付和微信支付，自己写的[Perl SDK](https://github.com/fangyuan/Perl-API-Alipay-WXPay)； \* 网站接入新浪微博/QQ/微信 OAuth2 登录，自己写的[Perl SDK](https://github.com/fangyuan/Perl-OAuth2-Weibo-Wechat-QQ)； \* 技术栈：HTML/Javascript/CSS, Grunt, SCSS, Bootstrap, jQuery, Perl, Dancer2, Moo, DBIx::Class, MySQL, Redis, Elasticsearch, Nginx;

### 2012/06 －－ 2014/08 [天天果园](https://www.fruitday.com) 高级全栈工程师

天天果园是一家垂直水果生鲜电商，主营进口高端水果。 \* 从零开始为公司生鲜仓库开发B/S架构的WMS系统，支持多城市多个分仓，提升仓库作业效率并降低水果损耗； \* 开发网页工具同步多个电商平台订单信息，包括淘宝/天猫/京东/1号店平台店铺，天猫店铺生鲜预售活动订单近10万订单； \* 为公司自有配送团队开发任务调度工具，支持多城市的物流独立配送，当时在上海可每日配送3000单； \* 从微博和大众点评上抓取客户评论，为客服团队开发web工具处理并追踪客户评论； \* 技术栈：HTML/JavaScript/CSS, Bootstrap, jQuery, CasperJS, Perl Dancer, MySQL, Redis, Moose, DBIx::Class, Nginx, Zebra zpl;

### 2011/11 – 2012/06 [DeNA China](http://denachina.com) 平台数据开发工程师

* 开发Perl ETL脚本处理手机游戏用户行为日志；
* 开发Perl脚本计算报表数据，开发手游平台统计报表页面；
* 开发在线检索日志工具，根据查询条件实时计算PV和UV，原始日志数据使用inverted index存储；
* 技术栈：Perl, MySQL, CGI, HTML/JavaScript/CSS;

### 2011/03 – 2011/11 北京网谋信息技术有限公司上海分公司 数据工程师

* 开发Perl ETL脚本处理在线广告日志，单日PV峰值1亿；
* 开发Perl脚本计算广告投放系统报表数据；
* 技术栈：Perl, DBI, MySQL, Bash;

### 2009/10 – 2011/01 [赛业生物科技有限公司](https://www.cyagen.com/) 生物信息学工程师

* 为公司实验室开发生物质粒库存管理系统；
* 开发了最初的在线生物载体设计服务网站 [vectorbuilder.cn](https://www.vectorbuilder.cn)，生物实验人员可以直接在网站上设计载体质粒效果图并下单订购载体；
* 技术栈：HTML/Javascript/CSS, Perl CGI, Mason, MySQL, BioPerl, GD, Apache;

### 2009/07 – 2009/09 上海融吉投资管理有限公司 生物产业分析员

* 翻译OECD生物经济学报告成中文；
* 公司初创，协助办公室装修；

## 教育背景

2005/09 – 2009/06 上海交通大学 生物信息学专业 理学学士

## 前端项目

### 贝壳海外房产频道移动端网站 <https://m.ke.com/i> 开发维护

贝壳海外频道是贝壳找房C端的子站点，展示多个国家地区的新房/二手房房源。 网站Server使用Node.js和Koa.js框架；为了SEO效果它采用了MVC结构，在服务端生成HTML。 H5页面同时支持多端App(贝壳找房App/链家App/经纪人App/微信小程序) 嵌入WebView。 在我接手之后，服务端和客户端代码优化，提升页面访问响应速度，页面组件抽象及去除冗余代码，提升代码质量和可维护性。 网站使用的技术：Docker, Node.js, Koa,js, MVC, jQuery, React, SCSS, Webpack, ESLint, Prettier.

### 贝壳找房微信小程序海外频道开发

贝壳找房小程序是微信支付九宫格小程序之一，我从零开始参与海外频道小程序的开发。页面组件化抽象设计，便于开发维护、减少文件包体积。 使用的技术：JavaScript, ES6, Webpack, Babel, SCSS, PostCSS, Prettier, ESLint, Stylelint.

### 上海链家电子合同系统前端开发

为上海链家经纪人开发了合同管理和签约的线上工具，经纪人可以在线创建和编辑合同。 前端是SPA单页应用，使用TypeScript和React hooks开发，使用React.lazy懒加载页面JS文件。 使用的技术：Node.js, Redis, TypeScript, React Hooks, Redux, Webpack, SCSS, Ant Design, ESLint, Prettier.

### Shoppo运营管理后台和商户后台开发

参与管理员后台和商户后台网站开发，涉及的功能包括：商户账号管理，商品搜索和编辑，订单搜索及发货退款等。 参与前端页面开发，前端使用的技术栈包括React, Redux, Apollo GraphQL, Ant Design，ESLint, Webpack. 参与后端GraphQL Schema开发，后端使用的技术栈包括Python, flask, graphene, SQLAlchemy, MySQL, Redis, Elasticsearch，Docker，AWS，CircleCI.

### Go户外电商网站 <https://www.go-out.cn>

这是一个售卖户外运动装备的B2C电商网站，用户下单时可以使用优惠券／积分／推荐人折扣和角色折扣，推荐别人下单能享受积分返利。 我从零开始搭建了整个网站，网站使用MVC结构，前端使用响应式设计，服务端根据UA返回PC或者移动端页面内容。 页面使用jQuery，移动端页面使用Bootstrap框架，使用Grunt.js合并和压缩JS代码，使用compass编译SCSS代码。 后端使用Perl 面向对象开发，使用的技术包括：Perl, Dancer2, MySQL, Redis, DBIx::Class, Moo.

## 兴趣爱好

喜欢足球、骑行和户外徒步

# Fangyuan Cheng

## Contact

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Location: Shanghai

## Objective

Web Front-End Developer, Web Full-Stack Developer

## Working Skills

* Has ten years of development experience and eight years of web full-stack development experience, and has experience of design and build web service from scratch.
* Has lots of web application development experience, such as mobile site, WebView hybrid, desktop site, RESTful API service and WeChat mini program.
* Master Front-End development skills, familiar with TypeScript, React, JavaScript, ES6, Redux, SCSS, Webpack, Babel, ESLint, Prettier and Ant Design.
* Has experience of Node.js server development, and familiar with Koa.js framework.
* Familiar with Linux environment, familiar with Git and Vim, master common Bash commands, has Docker usage experience, and master CI/CD skills.
* Has four years of small team management experience, such as recruiting, training, project development management, and code quality assurance.
* Has eight years of Perl development experience and one year of Python development experience, familiar with OOP and ORM, and familiar with RESTful API design and development.
* Familiar with MySQL & Redis, has experience of database design, and has experience of Elasticsearch usage.

## Work Experience

### Sep.2018 – May.2020 [Ke.com](https://ke.com), Senior Front-End Engineer, Front-End Tech Lead

Ke.com (also known as Lianjia) is one of the largest real estate agencies in China, similar as Zillow in US. \* As front-end tech lead in the department, and supervise three front-end engineers. \* Developed oversea channel for Ke House WeChat Mini Program, the App is one of top nine mini program entries for WeChat App. \* Maintain oversea real estate mobile site <https://m.ke.com/i> and [desktop site](https://i.ke.com/us), the server is Node.js + Koa.js + MVC, WebView page is hybrid and rendered different content in several Apps such as Ke App, Lianjia App, WeChat Mini Program and Broker App. \* Developed several web applications for brokers, such as SNS promotion tracking, client house keys tracking system, and system for make online contract and sign online. Those web SPA are built with TypeScript and React. \* Tech stack: Node.js, Koa.js, Redis, TypeScript, JavaScript, SCSS, React, Redux, Ant Design, Babel, Webpack, ESLint, stylelint, Prettier, Docker, CI/CD.

### Sep.2017 – Aug.2018 [Shoppo.com](https://get.shoppo.com/), Senior Full-Stack Engineer

Shoppo.com is a start-up AI-driven global retail platform. The company has developed the B2C [Shoppo App](https://itunes.apple.com/us/app/shoppo-shop-the-world/id1276073764) for customers in US, and cooperates with several ecommerce partners and sells products on 3rd platform for global customers. \* Participated in operation system and merchant system development, features such as product edit and search, order search, order shipment and refund. The front SPA is built with React, Apollo GraphQL, and Redux. The backend GraphQL schema is built with Python and graphene. \* Participated in RESTful API development for merchant ERP system integration, built with Python and Flask. \* Participated in parter GraphQL schema development, built with Python and graphene. \* Tech stack：GraphQL, Python, graphene, MySQL, SQLAlchemy, Redis, Elasticsearch, React, Redux, Apollo GraphQL, Ant Design, SCSS, ES6, Webpack, CircleCI, Docker, and AWS.

### Sep.2014 – May.2017 [Pantuo.com](https://www.pantuo.com), Senior Software Engineer, Team Leader

Pantuo.com is a start-up vertical ecommerce platform and sells outdoor equipments of top brands online. \* As tech team leader of the company and supervise 3 engineers, project management and code review. \* Developed the outdoor equipment B2C website <https://www.go-out.cn> from scratch, the website is built with Perl MVC, and it is responsive design and it serves different content according to User-Agent header. \* Developed admin CMS using Bootstrap and jQuery, and developed RESTful API service for [GoOutdoor App](https://itunes.apple.com/cn/app/chu-xing-zhuang-bei-wei-pin/id1076912805?l=en&mt=8) using Perl. \* Developed [Perl SDK](https://github.com/fangyuan/Perl-API-Alipay-WXPay) for Alipay and WeChat Payment integration. \* Developed [Perl SDK](https://github.com/fangyuan/Perl-OAuth2-Weibo-Wechat-QQ) for Weibo/QQ/WeChat OAuth2 login integration. \* Tech stack: HTML/JavaScript/CSS, Grunt, SCSS, Bootstrap, jQuery, Perl, Dancer2, Moo, DBIx::Class, MySQL, Redis, Elasticsearch, and Nginx.

### Jun.2012 – Aug.2014 [Fruitday.com](https://www.fruitday.com), Senior Full-Stack Engineer

Fruitday is a fresh fruit ecommerce retailer and it focuses on importing global fresh fruit products and services. \* Developed the warehouse management system for company’s fruit cold storage warehouses which located in several cities. It improves warehouse operational efficiency and reduces costs. \* Developed the web application for sync orders from multiple platform such as Tmall, Taobao and JD. \* Developed the transportation management application for the company’s logistics team, which then could delivery 3,000 orders daily in Shanghai. \* Scraped customer comments from weibo.com & dianping.com, and developed a web tool for customer service staffs to reply to comments. \* Tech stack: HTML/JavaScript/CSS, jQuery, Bootstrap, CasperJS, Perl Dancer, MySQL, Redis, Moose, DBIx::Class, Nginx, and Zebra ZPL.

### Nov.2011 – Jun.2012 [DeNA China](https://denachina.com), Platform Data Engineer

* Wrote Perl ETL scripts for mobile games logs.
* Wrote Perl scripts for mobile game platform dashboard data, and developed dashboard webpages.
* Developed a web tool to retrieve and stat data from raw log files, raw data are stored with inverted index.
* Tech stack: Perl, MySQL, CGI, and HTML/JavaScript/CSS.

### Mar.2011 – Nov.2011 Wanmo Performance Advertising Shanghai Branch, Data Engineer

* Wrote Perl ETL scripts for Web tracking logs.
* Wrote Perl scripts for advertise system’s statistic dashboard data.
* Tech stack: Perl, DBI, MySQL, and Bash.

### Oct.2009 – Jan.2011 [Cyagen Biotechnology](https://www.cyagen.com), Bioinformatics Engineer

* Developed plasmid stock management system for the company’s lab.
* Developed the alpha version of [vector builder website](https://www.vectorbuilder.cn), which can design and draw the plasmid vector diagram online.
* Tech stack: HTML/Javascript/CSS, Perl CGI, Mason, MySQL, BioPerl, GD, and Apache.

### Jul.2009 – Sep.2009 Sino Nugget Business Service, Biotechnology Industry Analyst

* Translated OECD Bioeconomy research report to Chinese.
* Assisted in the office foundation and decoration.

### Education

* Sep.2005 – Jun.2009 Shanghai Jiao Tong University, Bachelor of Science Degree, majored in Bioinformatics.

## Front-end Projects

### <https://m.ke.com/i>

This mobile website is for Ke.com’s oversea real estate business, and it is similar to Zillow.com. The server is built with Node.js and used Koa.js framework. It is MVC structure and renders html content in backend, which helps SEO performance. The h5 pages are hybrid in several native App (Ke House App, Lianjia App, Broker Link App, WeChat Mini Program App), it may render different content in different clients with same url. When I took over of this project, I made efforts to improve code quality and user experiences such as code abstraction and remove duplicate or unused code, client page code splitting and lazy load. Tech stack: Docker, Node.js, Koa,js, MVC, jQuery, React, SCSS, Webpack, ESLint, and Prettier.

### Ke House WeChat Mini Program development

Ke House Mini Program is one of top nine grid entries for WeChat App. I participated in oversea channel site development. Client page is constructed by components and it helps reduce compiled package size. Tech stack: JavaScript, ES6, Webpack, Babel, SCSS, PostCSS, Prettier, ESLint, stylelint.

### Shanghai Lianjia online contract system development

It is an online contract management system for Shanghai Lianjia brokers. The broker could create and edit online contract and let customers sign online. It is a single page application and built with TypeScript and React hooks. Pages code is split and lazy load. Tech stack: Node.js, Redis, TypeScript, React hooks, Redux, Webpack, SCSS, Ant Design, ESLint, and Prettier.

### Shoppo operation CMS development

I participated in the internal CMS development, both for backend and front-end. The client SPA is built with React, Apollo GraphQL, and Ant Design framework. The backend GraphQL Schema is built with Python and graphene. It uses SQLAlchemy as ORM. Data is stored in MySQL and Redis. It uses Elasticsearch for product and order search. Tech stack: React, Apollo GraphQL, Webpack, Python, Docker, AWS, CircleCI.

### <https://www.go-out.cn>

It’s a ecommerce website and sells outdoor equipments. I build it from scratch, both for the backend and front-end. The website uses adaptive design. For the same URL request, the server will response desktop or mobile contents according to user-agent. The mobile page uses bootstrap framework. The desktop page uses jQuery. It uses Grunt.js to concat and minify js files, and uses compass to compile SCSS files. The backend is built with Perl MVC.

### Hobbies

Outdoor hiking, bicycle touring, and football.