

Yuxin(Estella) Huang

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Education

University of California, Irvine

Master of Software Engineering (GPA: 3.92/4.00)

Sept. 2021 ~ Dec. 2022

Irvine, CA

China Three Gorges University

Bachelor of Electronic Information Engineering

Sept. 2013 ~ Jun. 2017

Yichang, China

Work Experience

Meta (Facebook)

Jun. 2022 ~ Sept. 2022

Software Engineering Intern

Menlo Park, CA

Project: Distributed **Flow**

- Contributed to **Flow** - Facebook's popular **open source** project with 21000+ stars used for static typing checking JavaScript.
- Optimized Flow from **stand-alone** service to **distributed** one by **functional programming language - OCaml**.
- Implemented functions to get data for doing JS check jobs such as changed files, file signatures, dependency graphs, AST, etc.
- Uploaded data to **Content-addressable storage** services, migrated checking jobs to remote servers, and run jobs in parallel.
- Improved the speed of getting feedback, ensured flow can continue to scale as the codebase continues to grow, and reduced the resource usage on developer machines.

Zhangmen Education Inc.

Jan. 2021 ~ Jul. 2021

Senior Software Engineer

Shanghai, China

Project: **Online Shopping Cart Center**

- Led a **distributed** shopping cart program for company's 290,000+ clients based on **Nacos** and **Spring Boot**.
- Implemented features - receiving, updating shopping lists and collecting detailed info by **Spring cloud Feign**.
- Provided **RESTful** interfaces to calculate most favorable price for customers by finding discounts and coupons, putting discount product combinations in front and caching data in **Redis** for user-friendly shopping experiences, faster access speed.

Project: **Online Commodity Center**

- Implemented Interfaces - batch operating 100+ commodities status and attributes on message queue **RocketMQ** in collaboration with a team of 5.
- Programmed for commodity searching to deliver best match result with complex conditions by adapting different properties' weights and query methods in **Elasticsearch** and setting best Shard numbers and suitable Analyzers for indexed fields.

China Pacific Life Insurance Co., Ltd.

Feb. 2019 ~ Oct. 2020

Java Developer

Shanghai, China

Project: **CPIC Application Framework (CAF)**

- Developed a basic technology framework of distributed systems and best practices for over 2000 development teams
- Optimized functions such as user management, role management, resource management, cache management, and permission management in a team of 16 by Using **Eureka** for Service Discovery, **Docker** for containerization, **Druid** for thread pool management.
- Mentored intern to build blog website, learn basic **Java Web Development** skills and **Automated Interface Testing**.

Project: **Customized SonarQube Scanning Platform**

- Generated visual statistics for utilization of in-company toolkits by examining 2000+ Java projects in company's **GitLab**.
- Coded with **IO**, **JGit** and **Concurrent Programming** to auto-download projects from code repositories, rewrote an **open-source** code **SonarQube** for static code scanning, decreasing time spent by automating analysis and output data.

Project: **CPIC Zhuoma Middle Platform & Zhuomo Document Library Search Service**

- Created online document title and body search service for all employees, improved employees' work efficiency.
- Led to rewrite **open source project - Canal** to accomplish automatic data synchronization from **MySQL** to **Elasticsearch** Realized information search according to scope of documents user has permission to read.

Shanghai Rock FinTech Co., Ltd.

Apr. 2018 ~ Jan. 2019

Java Developer

Shanghai, China

Project: **Internet Accounting Management System**

- Provided money transaction and account management services utilized by external companies with 1000,000+ clients.
- Analyzed and optimized transaction system's possible risks, later reconstructed core save and withdraw money features with **RabbitMQ** and **Oracle** database resulting in increased stability and decreased lag time automatic notifications.

Project: **Configuration Center & Custom Refresh Framework**

- Created a configuration center to receive and hot update projects' properties triggered by **Git Hooks**.
- Built a refresh project compatible with **Spring/Spring Boot** programs and 18 data types and integrated **Spring Cloud Config**, reducing DevOps' burden by avoiding work overtime caused by release configuration.

Technical Skills

- **Languages and framework:** Java, OCaml, SpringBoot, Spring, Maven, Mybatis, Ehcache, Druid, JavaScript, Html, CSS.
- **Middleware:** RabbitMQ, RocketMQ, Kafka, Apollo, SpringCloud Config, Redis.
- **Database and DevOps Tools:** MySQL, Oracle, Elasticsearch, Docker, Jenkins, Git Actions, Travis CI, Kubernetes.