

Yangyadi(Jolin) Jiang

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Education

Carnegie Mellon University	School of Computer Science
Master of Software Engineering - Scalable System	12-2022

- GPA: 4.0 / 4.0
- Courses: Introduction to Computer Systems; Formal Methods; Data Structures and Algorithms; Statistics for Decision Making; Communications for Software Leaders; Business and Marketing Strategy

The Chinese University of Hong Kong	School of Science and Engineering
Bachelor of Computer Science and Engineering, First-Class Distinction	06-2020

- GPA: 3.73 / 4.0
- Honors: 17-18 Academic Performance Scholarship (4%); 17-20 Dean's List Student Award (consecutive)

Skills

- **Languages:** Java, Python, Bash, C, C++, SQL, JavaScript, Html, CSS
- **Frameworks:** Spring-Boot, Django, React
- **Project Management:** Jira, Confluence, Git, Maven
- **Tools & Open Source:** Thrift, Jenkins, Nacos, Alibaba Sentinel, Resilience4j, RocketMQ, Kafka

Work Experience

Yuanfudao	Beijing, China
Infrastructure Software Engineer, Microservice Governance team	07-2020 - 08-2021

- Delivered 50+ version releases of multiple middleware SDKs (RPC, Http client, RocketMQ, Kafka, Naming Service client and Traffic Control client) that reached 1800+ projects, with only 1 related P1 fault reported.
- Reconstructed RPC SDK that entirely changed the abstraction structure and reduced code lines by 28%.
- Added or Updated 13 documents for SDKs with 800+ viewed times.
- Reorganized 15 middleware SDKs from multi-repo to mono-repo with pruned external dependencies.
- Scripted auto upgrading tools to switch over from multi-repo seamlessly and applied to 260+ projects.
- Yielded solid documents and enforced higher requirements over documentation, test coverage and code reviews.
- Developed a rule based Traffic Management System from scratch within 8 weeks. Formulated the product requirement document and yielded 3 RFCs for the design of system architecture, rule protocol and client SDK interface. Contributed 80% of SDK and 100% of dashboard frontend.
- Presented Traffic Management System to multiple business develop teams and had applied to 4 core teams with up to 80 micro-services for trail.
- Contributed to company's CLI tool with features including code generation, IDL compilation, code lint check, git related operations, local service launcher, quick query service, CICD platform CLI tools, open-api token refresher.
- Conducted fault practice for naming service system each quarter discovered and solved 7 underlying problems.
- Compacted the size of transmission data for service discovery by 50%; Migrated 1400+ micro-services from old NS to the new one; Built a new cluster of NS for expanding business.
- Recode 40% of CICD platform in Java for better maintainability including functions of pipeline, service metadata management and settings.

Projects

Photo-Sharing Social Platform on AWS Cloud	CUHK
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- Prototyped and implemented the backend service of photo-sharing social network web application with Django
- Deployed on the AWS and used 7 different cloud services.

E-Commerce Web Application	CUHK
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- Designed the data structure and database and implemented the frontend of a full-featured e-commerce web application with JavaScript, Html and CSS, including separated entrances and sites for customer and staff.

Image Processing Software	CUHK
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- Developed the UI/UX part of a PC end image processing software for both MacOS and Win using Qt.