Resume

Personal Information

Name：	Berry Wong	Gender：	Male
Birthday：	October 13,1990	Location：	South-East Asia
Years of Exp：	Over 5 years	Email：	berryjamcoding@gmail.com
Phone：	+086 15600804656	Graduated From：	Tsinghua University, School of Software
Key Skills：	RUST Golang Cpp Distribution		

Job Expectations&Self-Evaluation

1. Languages： RUST (2 +years) 、Golang (4 +years) 、C++ (3+years) 、Shell
2. Experience in high-concurrency and distributed system design
3. Strong foundation in data structures and algorithms
4. Proficiency in relational databases like Postgres and NoSQL databases like Redis
5. Passion for reading and sharing technology-related content
6. Personal tech blog related to distributed systems and blockchain：
   https://berryjam.github.io/
7. Github： https://github.com/berryjam

工作经历&项目经历

DavionLabs – Senior Software Engineer (Since October 2021)

1、Swap based on ZkSync
- Extended traditional AMM Swap using Zk Rollup
- Developed circuits for CreatePair, AddLiquidity, RemoveLiquidity, and Swap transactions
- Supported cross-chain functionality and modified Watcher, Sender, and contracts

2、Perpetual Contract based on ZkSync
- Extended centralized perpetual contracts using Zk Rollup
- Developed circuits for Liquidate, Oracle Price, Deleverage transactions
- Added modules for user registration and Layer 2 key management
- Optimized Layer 2 block generation logic

- Supported Alternative Tx for replacing and compensating erroneous transactions

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Tencent Co., Ltd. - Engineer, Level 9 (September 2020 - October 2021)

1、Dynamic Optimization of Tencent Video Pre-roll Ads

- Optimized the duration of pre-roll ads personalized to individual user metrics
- Designed and developed the rerank module for pre-roll ads
- Conducted A/B experiments and strategy module development
- Achieved a 5%+ increase in pre-roll ad revenue after introducing the initial model

2、Refactoring of Tencent Video Commercialization Services

- Refactored services related to ad-free viewing and immersive advertising scenarios
- Used trpc-go for refactoring commercialization-related projects
- Developed traffic playback module for refactoring verification
- Enhanced service deployment from city-level multi-data center to three-location deployment

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Ant Financial Cloud - Senior R&D Engineer (May 2019 - September 2020)

1、Ant Blockchain API Gateway System

- Unified access system for Ant Financial's blockchain services
- Designed and developed gateway server's unified access, security, traffic control, and resource allocation modules
- Developed Java, Golang SDKs, and integrated JS SDK for client-side
- Launched the gateway layer for Ant Blockchain, connecting to over 10 internal business lines, supporting an average daily call volume of 150 million, and achieving 5W QPS

2、Smart Contract Cloud Service

- Provided services related to blockchain smart contracts, including Cloud IDE and automated code audit
- Led the smart contract static analysis project, collaborating across departments
- Achieved on-time project launches and several iterations

3、Ant Blockchain BaaS Cloud Platform

- Developed new features and optimized resource allocation processes
- Achieved hybrid deployment and improved availability

- Supported several private projects

Huawei Digital Technology R&D Engineer　(June 2017 - March 2019)　:

1、Huawei BaaS Blockchain Cloud Platform

- Huawei BaaS is a cloud platform that provides enterprise-level blockchain solutions based on Fabric and Kubernetes.
- Participated in iterative development before and after the public beta.
- Developed the prototype of Fabric's Kubernetes (K8S) deployment plan and blockchain service control-related APIs, certificate management, and user-side data storage modules.
- Involved in the entire process of Huawei BaaS platform, from the prototype phase to its launch on the public cloud, and participated in several iterations after the public beta.

2、Cheche Technology Abao Mutual Insurance

- Abao Mutual Insurance is a financial mutual insurance project developed by Cheche Technology based on the Huawei BaaS platform. Its prototype was showcased as a collaborative project at the Huawei Eco-conference on March 22, 2018.
- Participated in the requirements analysis for the Abao Mutual Insurance project and collaborated with clients to analyze five core scenarios: user membership application, joining the claims plan, initiating claims, claims review, and shared claims. Outputted relevant chaincode interfaces.
- After the completion of the Abao Mutual Insurance project's prototype, assisted Cheche Technology developers in connecting to the BaaS platform using Fabric SDK for Java, storing relevant business data, and providing blockchain visualization services based on Blockchain Explorer.

Education

2014/9 -- 2017/7　　　Tsinghua University　　　Software Engineering　　　Master
Specialized in distributed system design, algorithm analysis and design, software formal verification, and more

2008/9 -- 2012/7　　　Wuhan University　　　Software Engineering　　　Bachelor
Studied data structures, operating systems, computer networks, and more

Certification

2013/12	Intermediate Certificate in National Computer Software Professional Qualification (Software Designer)

English Level

English Level： College Englisht Test, Band Six (CET-6)

Resume

Personal information

Name：	Jinkun Huang	Sex：	male
Birthday：	1990.10.13	Residence：	Beijing
Experience：	3 years++	email：	berryjamcoding@gmail.com
Tel：	156-0080-4656	Graduated school：	School of Software，Tsinghua University
Key words：	Golang Java Shell Distribution		

Job expectations&Self-evaluation

1. Language： Golang（3 years++）、Java（2 years++）、C/C++、Shell、SQL、JSON
2. High concurrency scenarios, distributed system design experience
3. Good data structure and algorithm foundation
4. Master relational database&NoSQL releated knowledge such as Redis
5. Like to read and share technology-related content
6. Job expectations：Cloud platform architecture design and development, grow with the team

Personal tech blog： https://berryjam.github.io/

github： https://github.com/berryjam

Work experience&project experience

Ant Financial Senior R&D Engineer 2019.5-now

1、Ant Blockchain API Gateway System

- The Ant Blockchain API Gateway System is a unified access system provided by the Ant Financial Blockchain for internal and external businesses
- Responsible for the overall architecture design and development of the ant block link entry layer, and business technology deduction
- Personally design and develop the unified access, security protection, traffic control, computing and storage resource self-allocation module of the gateway server, and the client side developed and released Java, Golang SDK and integrated JS SDK
- The gateway layer of the ant blockchain was launched from 0-1, connected to the internal business line 10+, and provided access services in the form of an open alliance

chain. The business supported an average daily call volume of 150 million and completed 5W QPS Gateway horizontal expansion scheme

2、Smart contract cloud service

- The ant smart contract cloud service aims to provide services related to blockchain smart contracts, providing Cloud IDE and source code automated audit services
- Undertake the Cloud IDE project, plan and implement smart contract security services
- Responsible for Cloud IDE iteration to keep Ant's Solidity and Wasm contracts synchronized with open source community capabilities; developed C++/Wasm contract static analysis services based on data flow analysis & completed dynamic fuzzing service prototypes, and planned formal verification services
- Lead the smart contract static analysis project of big security and blockchain cross-department cooperation to go online；During the period, applied for the patent of "A Java Smart Contract Implementation Scheme Based on Wasm Virtual Machine", related blogs：https://berryjam.github.io/2020/07/Java 智能合约实现探索/

3、Ant Blockchain BaaS Cloud Platform

- Ant Blockchain BaaS is a financial-level enterprise blockchain platform based on Alibaba Cloud/Ant Financial Cloud
- Participate in the iterative development of BaaS cloud platform and privatization platform
- New feature development; optimization of blockchain K8S calculation, storage, network resource creation process and corresponding Helm Chart
- For the cloud platform, the development of features such as hybrid deployment was completed, and availability optimization and transformation were realized; for the privatization platform, it supported the delivery of several privatization projects

DiDi Chuxing   Senior R&D Engineer   2018.6-2019.3

1、Business middleware-spike system

- The spike system of the Didi Growth Team is an internal business middleware system that provides general processing capabilities for high instantaneous traffic
- Design and development of high concurrency processing capacity of spike system
- Designed and developed spike anti-cheating, anti-oversold, current limiting, and flat peak modules

- The project was launched online, and 30+ city marketing activities were supported at the same time, with a maximum instantaneous flow of 1W QPS

2、Discount Mall
- The discount mall is the sales portal for Didi Chuxing's card and coupon products, and the main operating system of Didi Chuxing's passenger side
- Participate in the reconstruction of the project, use Golang to reconstruct the original PHP system and go online, iterative development
- Completed the technical transformation of related projects and made technical sharing, Among them, "Consistent Hash Algorithm" (Personal submission of Golang implementation of consistent hash algorithm optimization pr: https://github.com/lafikl/consistent/pull/9/files), "ZooKeeper Introduction and Use", "Golang Implementing the principle of replacing the function body at runtime" (blog: https://berryjam.github.io/2018/12/golang to replace the runtime function body and its principle / Individual submission of Golang implementation of monkey patching optimization pr: https:// github.com/bouk/monkey/pull/25/files) has been applied to the project to reduce the data shock rate during expansion, improve the operational efficiency of the project, and increase the core module unit test coverage from 15% to 70%

Huawei R & D Engineer 2017.6-2018.6 :
1、Huawei BaaS Blockchain Cloud Platform
- Huawei BaaS is a cloud platform that provides enterprise-level blockchain solutions based on fabric and kubernetes
- Participate in related iterative development before and after the public beta
- Prototype development of fabric's K8S deployment plan; development of blockchain service management and control related APIs, certificates, and user-side data storage modules
- Participated in the entire process of Huawei's BaaS platform from prototype to public cloud launch, and several iterations after the public test

2、Cheche Technology Abao Mutual Insurance

- Abao Mutual Insurance is a financial mutual insurance project based on Huawei's baas platform by Autotech. Its prototype was exhibited as a cooperative project at the Huawei Ecological Conference on March 22, 2018
- Participate in the demand analysis of the Abao Mutual Insurance Project, and work with customers to complete the analysis of 5 core scenarios of user application for membership, joining the claim plan, initiating claims, reviewing claims, and sharing claims, and output the relevant chaincode interface
- After developing the prototype of the Abao Mutual Insurance Project, assisting car technology developers to use fabric-sdk-java to connect to the BaaS platform, store relevant business data, and provide blockchain visualization services based on blockchain-explorer

Education experience

2014/9 -- 2017/7   Tsinghua University   Software engineering   Master
Professional courses: distributed system design, algorithm analysis and design, software formal verification, software project management, software architecture, automata and formal logic, machine learning, large-scale multimedia data retrieval and management, combinatorial mathematics, software testing

Institute: Institute of Software Systems and Engineering, Tsinghua University
Research direction: formal verification of program
Project experience: Ceagle (formal verification tool of Tsinghua University), case analysis of CRRC locomotive automatic control system, static driver verification tool.

2008/9 -- 2012/7   Wuhan University   Software engineering   Undergraduate
Professional courses: data structure, operating system, computer network, computer composition principle, compilation principle and practice, object-oriented design, C++ programming, database system principle and practice, unix programming, software engineering

Certificate

2013/12	National computer software professional qualification level Intermediate exam qualification: software designer

Language skills

College English Test, Band Six [=CET-6]