

HU SHIJIE (STUART HU)

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Education

- **Shanghai Jiao Tong University**—Shanghai
Master of Engineering in Information Security
 - 2006.2 – 2008.12
- **Shanghai Jiao Tong University**—Shanghai
Bachelor of Science in Electrical Engineering
 - 1999.9 – 2003.7

Working Experience

- **Improbable**—Shanghai, 688 Plaza
Senior Architect: 2019.5 – 2020.11
 - Porting SpatialOS from GKE to k8s cluster on China AWS. Switching GCR to ECR, GCE to EC2, Google IAM to AWS IAM. Using terraform to manage clusters.
 - Create CICD pipelines on BuildKite, automatically rollout on testing/staging/production environment.
 - Multiple knowledge sharing session inside China Infra team, like OAUTH introduction and Golang advanced topics.
 - Architect, design and implement China Billing system.
 - Member of API Guild, writing Improbable API Standard Proposals, push approval process.
- **Qiniu**—Shanghai, Zhangjiang
Senior Developer: 2018.4 – 2019.5
 - Implemented NAS gateway protocols including NFS/FTP.
 - Implemented Version Management for Qiniu's object storage.
 - Implemented S3 gateway for Qiniu's object storage.
 - Submitted 4 patents during work, application number: 201810813487.3, 201811227621.8, 201910124563.4, 201910124576.1
- **EMC**—Shanghai, KIC
Principal Software Engineer: 2014.2 – 2018.4
 - Mozy Infra Team DEV Leader, lead 2 teams simultaneously, main responsibility includes: architecture design, feature design review, code review, solution investigation, POC research, coaching and managing team members.
 - Quickly master new things like S3 protocol, Golang, Cloud Foundry, Cassandra and ElasticSearch, able to explain tech details to team members.
 - Recognized as CE(consistently exceeds) in 2015, 2016 year end KPI review.
- **Nomura Information Technology**—Shanghai, Central Plaza
Senior Developer: 2013.1 – 2014.1

- Develop and maintain the position management system of Nomura Investment Bank.
- **SAP Labs China**—Shanghai, Zhangjiang
Application Developer: 2007.9 – 2013.1
 - Working in inventory module for SAP Business One.
- **Accton Technology Corp**—Shanghai, Caohejing
Senior Software Engineer: 2006.10 – 2007.9
 - Develop, maintain and test network protocol software such as MPLS, LDP and DVMP on hybrid switch. Use pure C on VxWorks.
- **Pengyue Jinghong Technology Corp**—Shanghai, Zhangjiang
Software Engineer: 2003.7 – 2006.10
 - Develop, maintain and test network security software in Linux. The main develop language is C/C++, part of WEB configuration module implemented with Perl and Bash.

Skill Set

- **Developer Expertise:**
 - Familiar with distributed object storage system, years of architecting, designing, developing, deploying and on line bug investigation experience.
 - Fully understanding of software development life cycle.
 - Love problem solving.
 - Good at coaching team members with technical direction and guidance.
 - Strong sense of ownership and commitment, proactively take on new challenges with minimal supervision.
- **English:**
 - CET Band 6.
 - 10+ years of working in foreign companies like SAP and EMC, fluent communicating with colleagues overseas.
- **Operating System:**
 - 10+ years on Linux, have a deep understanding of Linux architecture, fully understanding of Linux IPC, System Call and many other OS related stuffs such as timer, interrupt handling and process scheduling.
 - 6 years on Windows with Visual Studio.
- **Database:**
 - Excellent SQL/NOSQL programming.
 - Familiar with Cassandra, ElasticSearch.
- **Programming Languages:**
 - Expert in C/C++/Golang.

- Proficient in Perl/Python/Ruby/Bash.

Other Achievements

- **Open Source Contribution:**

- Raise pull requests for GitHub projects like facebook/rocksdb, jetstack/cert-manager

- **Book Written:**

- Distributed Object Storage – Pricipal, Architect and Go Implement
- Distributed Cache – Pricipal, Architect and Go Implement

- **Book Translated:**

- Principles of Object-Oriented JavaScript
- Python and HDF5
- High Performance Python