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 – 2019.11

    – 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 DVMRP 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 architecturing, 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.
  - Familliar 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