

Han MaLei

Education Background

Singapore Nanyang Technological University 2018/08-2019/07

School of Electrical and Electronic Engineering - Master of Communication Engineering GPA 4.35/5.00

- Major courses: system analysis, digital communication systems, project management, etc.

Shanghai University 2014/09-2018/07

School of Communication and Information Engineering - Communication Engineering Bachelors

GPA 3.45/4.00

- Honors and Awards: 2015 Academic Scholarship First Prize, 2016 Academic Scholarship Second Prize, 2017 Academic Scholarship Second Prize

Work Experience

China UnionPay Corporation - Network Operation and Maintenance Engineer 2022/08-present

- Network management: monitoring the operation of various systems and network equipment, timely handling of events and failures
- Data analysis: Using splunk platform, filter and analyze various operation data to form the required icon information

Shanghai Post and Telecommunications Design and Consulting Research Institute Ltd -

Communication and Computer Technology Engineer 2019/09-2022/07

- System planning: through data collection, research industry-related policies and the current situation of the customer's relevant business systems, demand sorting and analysis, provide planning consulting services for customers, including system business planning, network planning, information planning and IT software consulting, etc.
- Technical support: Combine information on key technologies in cloud computing, network security, information security, big data, IT and other fields, prepare feasibility study reports, technical specifications, system construction plans, design drawings and other documents, and provide overall technical support for the project
- Procurement support: actively track the development technology of server, storage and network equipment virtualization, understand the product information of relevant software and hardware equipment manufacturers, provide equipment selection and configuration plan for the project, and support the procurement and bidding of hardware and software systems
- Budget management and data analysis: prepare investment estimates and project budget estimates based on relevant billing specifications and price information; combine various parameters, conduct pre-investment evaluation and post-investment evaluation analysis of the project, and output IRR, payback period and other benefit indicators
- Project management: follow up the project progress as project manager, promote the system process, collect relevant information, and complete the overall project process control

Project Experience

5G Customized Network Smart Medical MEC Construction Project in 2021 - Project Manager

2021/11-2022/01

Project content: Build MEC edge computing nodes for 24 tertiary hospitals in Shanghai around 8 5G application scenarios in smart healthcare, including emergency treatment, remote diagnosis, remote treatment, remote intensive care (ICU), Chinese medicine treatment, hospital management, intelligent disease control, and health management.

Project Responsibilities:

- Technical design: investigate the typical network resource requirements of the 8 business scenarios, combine edge computing and cloud computing technical information, and prepare feasibility study and technical proposal

- Procurement support: provide equipment selection and configuration of servers, switches, firewalls, etc. according to hardware and software resource requirements, and provide equipment procurement bill of materials
- Economic evaluation: Prepare investment estimates and provide benefit analysis by combining various parameters including operation and maintenance costs, direct income, indirect income, etc.

2021 Shanghai Telecom Pudong Health Cloud Project - Project Manager 2021/04-2021/08

Project content: Build Shanghai Pudong New Area Government Cloud Health Domain, realize the migration of 47 community health service center business systems and health development hospital systems in Pudong New Area to the cloud, meet application-level disaster recovery and security requirements, provide business access triage and disaster recovery services, and ensure business continuity and stability of health application systems.

Project Responsibilities:

- Technical support: through active communication with customers, collect relevant requirements, provide professional technical support for cloud computing, information security, data disaster recovery, etc., and prepare project proposals including system network planning, information system security system design, and data disaster recovery solutions
- Budget management: Configure software and hardware equipment according to resource requirements, provide investment estimates, and calculate cumulative investment based on business growth estimates for the next three years.

2020 Smart Banking Innovation Demonstration Base Project - Project Manager 2020/11-2021/02

Project content: Shanghai Mobile Industry Research Institute and Pudong Development Bank cooperate to build a set of digital twin platform to promote the implementation of 5G convergence financial pilot content

Project Responsibilities:

- System planning: through research and demand analysis of the digital twin product of Pudong Development Smart Bank, provide system planning solutions, involving sub-modules such as IoT, digital twin and O&M management platform
- Project management: actively participate in meetings and discussions at various points of the project, control the overall project process and milestones, and ensure on-time project delivery

Others

- **Professional Qualification Certificate:** Shanghai Intermediate Professional Technical Title Certificate - Computer Application Technology
- **Languages:** English (IELTS 7.0, University English Level 6), Putonghua Level 2A
- **Computer skills:** Shanghai Computer Level 2, proficient in MS Office, CAD, C, MATLAB programming language, familiar with MySQL
- **Hobbies:** Swimming, Guzheng (Grade 9)