JIANG HUAN

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EDUCATION

B.E. in Computer Engineering   2012 - 2016
Nanyang Technological University, Singapore
- Second Upper Honor Degree with CGPA 4.41
- Ministry of Education Government-Linked Companies Scholarship

TECHNICAL SKILLS

Languages: C#, SQL, Python, Go, JavaScript, HTML, CSS
Skills: OOP, Refactoring, TDD, REST API

EXPERIENCE

Product Developer   2016 - Present
Titansoft Pte Ltd., Singapore
- Design and develop various C#/.NET webservices, including an application to monitor user registration and transactions, rewriting of a personal messaging service, a payment system for processing user transactions that integrates with third-party service providers, and adding new features to an admin system for operational use
- Derive solutions by test-driven development, implementing automation tests and perform refactoring
- Work with SQL on a daily basis, write performance-optimized stored procedures
- Collaborate with Product Owner and UX designers to develop and implement user stories and do A/B testings for new features
- Troubleshoot production issues and perform optimizations and hot-fixes through CI/CD pipelines

Engineering Support Intern   2015
Seagate Technology, Singapore
- Awarded for Best Intern Presentation
- Rewrote a Python-based SATA bus trace analysis tool, reduced its memory footprint to 10-20 times smaller, gained speed-up of 50-70%, revamped its structure with modular design, and created user-friendly UI for the engineers

PROJECTS

Social Service SG
- A web application aims to improve volunteering experience for social service organizers and participants in Singapore
- Based on NodeJS, Express, MongoDB, Jade, Semantic-UI, and OneMap API

Input Transformer
- A final year project that enhanced the client side of a cloud gaming system
- Implemented a direction controller using HTML5 DeviceOrientation, CSS, and JavaScript

Undergraduate Research Experience on Campus (URECA)
- An invitation-only research program on scalable and privacy-preserving data mining and analytics