

JOB SCOPE & TECHNOLOGY USE

Chief Technology Officer (CTO) of Clarity Techworks [Yee Soon Tuck]

Responsible for technological strategy and vision of the Clarity Techworks company. Monitoring the organization of IT infrastructure like cloud and delivering innovative IT solutions through the product, Rapidz Pay.

Junior Android Developer [Mohamad Noor Ridwan]

Implementing new features in the application of Rapidz Pay, which is NFT. This position not only improves project codes to enhance the performance of the application but also resolves bug issues that are found out by the QA team. The third library is utilized for research to ensure the compatibility of their requirements.

Junior UI/UX Designer [Syarifah Adilatul Hulwani Binti Syed Mohamad Aris]

Conducting UI/UX research to define requirements, followed by the creation of an information architecture. The designer creates the UI by wireframing and prototyping. After strict usability testing, the designer hands off the project to the development team, providing detailed documentation of the requirements. Lastly, creating phrase keys and pulling translations.

Quality Assurance (QA) Testing Analyst [Liyana Amri]

Ensuring the quality standards by testing software for bugs before it goes live. Creating documentation on the Confluence to track the testing progress and generate bug reports. QA would verify product functionality to prevent critical issues from reaching users.

Junior Web/API Developer [Saiful Habib Danial Bin Shiful Anuar] [Izah Fatini binti Mohd Nasri]

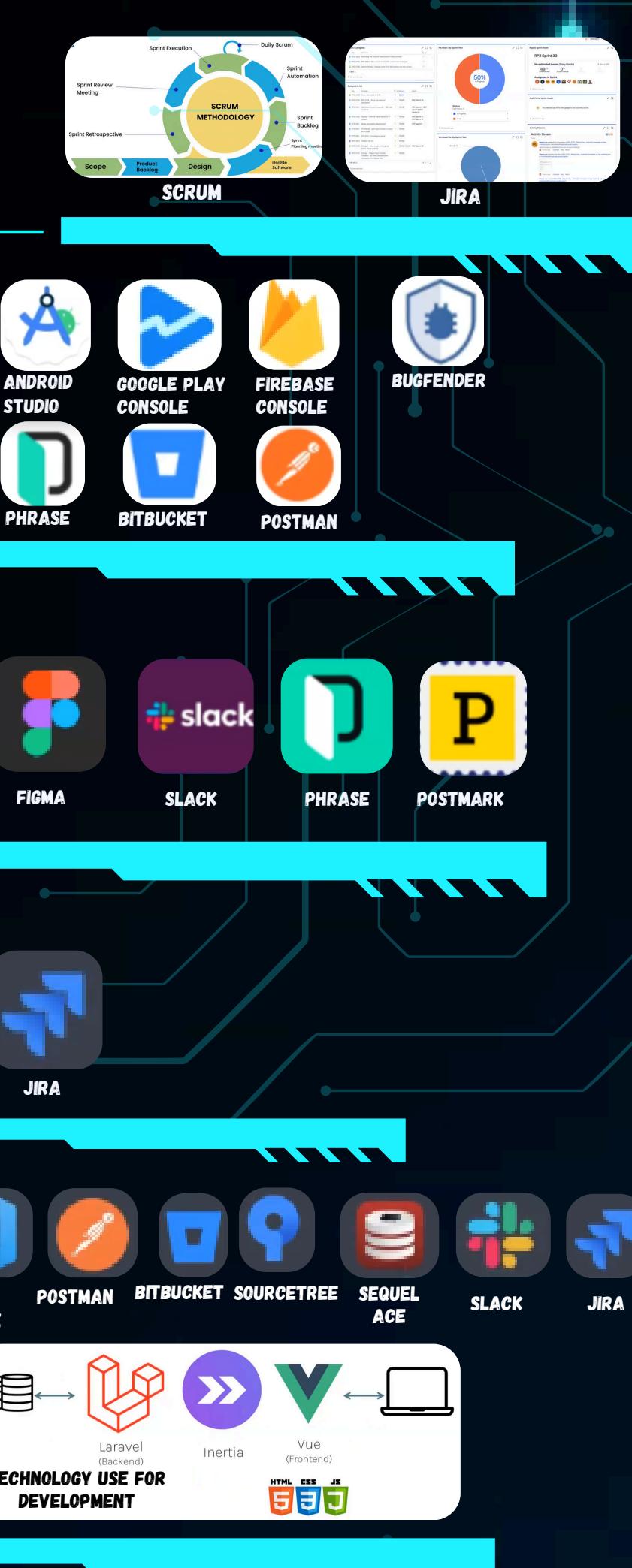
- The API team produces an application programming interface (API) for both internal and external corporate communications. They are responsible for troubleshooting backend issues, proposing architectural solutions, and managing the web applications of the company.
- The web team develops and improves the web application, integrates it with the UI design from Figma and maintains system documentation.

ADVICE

- Be a self-learner
- Be persistent
- Learn independently at work
- Attitude is more important than certificates
- Start small and gain experience
- Be persistent
- Focus on quality and user experience
- Stay curious
- Learn from mistakes
- Don't give up when you fail
- Keep improving your skills
- Work as a team
- Stay resilient and keep moving forward

REFLECTION

The insight that I gain is that ICT combines various technology services, such as cloud infrastructure applied by Clarity Techworks company, application software, and communication networking. It plays a crucial role for people to communicate and interact with each other in industry. As a Clarity Techworks company, they utilize many technology tools to carry out their tasks and ensure the collaboration between various departments, such as Figma, Slack, and Jira. Since ICT evolves so quickly in the industry, it highly motivates me to keep continuously learning and self-teaching. I thrive on exploring new challenges and preparing myself for the future of the industry.



EXECUTIVE SUMMARY

For the job scope of Clarity Techworks, the development process follows a structured Software Development Life Cycle (SDLC) led by the CTO's strategic vision. The workflow begins with the UI/UX designer, who carried out the prototype for the UI. The developer of the Web, API, and Android creates functional code for the application. Last, the QA testing analyst qualified the standard of the final product.

GROUP MEMBERS



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INTRODUCTION

- Clarity Techworks is a fintech company based in Singapore and Malaysia
- Singapore office established in 2020 while Malaysia office in Iskandar Puteri established in 2022
- Specializes in cryptocurrency payment systems and digital asset ecosystems
- Provided real-world insights into the fintech and technology industry

WORK EXPERIENCE

CTO, of Clarity Techworks

- Managing timelines, risks and technical roadmaps
- Making technical decisions for tools, frameworks and platforms

Junior Android Developer

- Implementing new features requested by stakeholders
- Optimizing application performance

Junior UI/UX Designer

- Creating visual designs
- Ensuring consistency with design guidelines and developers

QA Testing Analyst

- Identifying, documenting and reporting software defects
- Performing functional and usability testing

Junior Web/ API Developer

- Writing and maintaining source code based on requirement
- Debugging errors and fixing system or application bugs

Junior Web & API Developer

- Programming fundamentals
- Framework familiarity
- Debugging & testing

SKILLS

CTO of Clarity Techworks

- Problem solving
- Continuous learning
- Leadership & decision-making

Junior Android Developer

- Analytical thinking
- Independent learning
- Research skills

Junior UI/UX Designer

- Creative thinking
- Attention to detail
- Time management

QA Testing Analyst

- Documentation skills
- Attention to detail
- Software understanding

REFERENCE

1. <https://blog.stackademic.com/excelling-in-software-development-with-scrum-methodology-part-2-e2d0b29437ce>

2. <https://www.claritytech.sg/about-us>

The company optimizes its productivity by utilizing specific technology for the ICT industry. Laravel provides a PHP framework for backend development, while MySQL manages the database. To interact between various departments, the team relies on Slack for internal communication. Technology enables the company to manage specific product features and streamline the entire development journey.

