

# JASPER THAM SIL YUNG

[jaspertham98@gmail.com](mailto:jaspertham98@gmail.com) · [+6016-492-8027](tel:+6016-492-8027) · [jasper.re](https://jasper.re) · [github.com/jaspetham](https://github.com/jaspetham) · [linkedin.com/in/jasper-tham](https://linkedin.com/in/jasper-tham)

## PROFESSIONAL SUMMARY

---

Senior Frontend Engineer with 5+ years of experience architecting high-performance web applications using Vue.js, Nuxt.js, React.js, and TypeScript. Specialized in creating immersive 3D experiences with Three.js and implementing responsive designs with TailwindCSS. Proven track record of deploying scalable cloud solutions on AWS and DigitalOcean, optimizing API performance, and enhancing user experiences for high-traffic applications. Demonstrated leadership in mentoring junior developers and driving technical innovation across cross-functional teams.

## PROFESSIONAL EXPERIENCE

---

### Oppstar Technology | Kuala Lumpur, Malaysia

Senior Frontend Engineer

January 2024 – Present

- Spearheaded development of a mission-critical web application using Solid.js and TypeScript, resulting in a **25%** increase in user engagement and **15%** improvement in core performance metrics.
- Implemented comprehensive user testing frameworks with Vue.js and TailwindCSS, driving a **20%** boost in user retention and **30%** reduction in bounce rates.
- Led technical mentorship program for 3 junior developers, focusing on TypeScript and modern frontend architecture, increasing team velocity by **15%** and reducing code review cycles by **20%**.

### Maybank | Kuala Lumpur, Malaysia

Frontend Engineer

January 2023 – December 2023

- Redesigned DevOps pipelines for the M2U platform, decreasing deployment time by **30%** and eliminating **90%** of deployment-related incidents.
- Successfully executed React.js proof-of-concept initiatives that scaled the platform capacity by **50%** while improving key performance indicators across all user journeys.
- Collaborated with cross-functional teams to resolve critical production issues, achieving **99.9%** uptime for a platform serving 500,000+ monthly active users.
- Implemented systematic code maintenance protocols using Jira, resulting in a **10%** decrease in error rates and **25%** faster bug resolution times.

### Freelance Development | Kuala Lumpur, Malaysia

Frontend Developer

June 2022 – December 2022

- Engineered a comprehensive Vue 2 platform for educational professionals, incorporating real-time scheduling and payment systems serving 100+ active users.
- Developed a custom HR management system utilizing HTML, TailwindCSS, and JavaScript, delivering a **15%** improvement in user experience metrics and **20%** faster workflow completion.

### Unicom Interactive Digital | Kuala Lumpur, Malaysia

Web Developer

June 2021 – May 2022

- Delivered 10+ responsive, pixel-perfect microsites using Laravel Blade, HTML, CSS, and Bootstrap, consistently meeting strict project deadlines and design specifications.
- Optimized frontend performance by implementing lazy loading and asynchronous data fetching techniques, reducing page load times by **15%** and improving Google Lighthouse scores by **20 points**.
- Transformed complex design requirements into intuitive user interfaces, achieving a **95%** client satisfaction rate and securing **3** recurring enterprise clients.

### Coreka Co | Kuala Lumpur, Malaysia

Junior Web Developer

November 2020 – May 2021

- Developed responsive e-commerce interfaces using JavaScript and Bootstrap, improving user interaction metrics by **10%** and contributing to a **12%** increase in conversion rates.
- Implemented mobile-first design principles across the product portfolio, enhancing accessibility and expanding market reach by **15%**.

## KEY PROJECTS

---

### Interactive Portfolio Website | [jasper.re](https://jasper.re)

- Architected and deployed a Vue 3 portfolio featuring immersive Three.js 3D backgrounds with custom GLSL shaders and interactive mouse event handling.
- Hosted on a custom domain with Cloudflare for DNS and SSL termination, ensuring global performance optimization, high availability, and enhanced security.
- Implemented advanced performance optimization techniques including TailwindCSS for minimal CSS footprint, component lazy loading, and asset preloading, reducing initial load time by **20%** and achieving a perfect Google Lighthouse performance score.

### Porsche 3D Showcase | [jasper-porsche-3d.netlify.app](https://jasper-porsche-3d.netlify.app)

- Designed and developed a visually stunning 3D website featuring a realistic Porsche model using Three.js, custom GLSL shaders, and advanced lighting techniques.
- Crafted an engaging, interactive user experience with smooth camera transitions, dynamic reflections, and responsive controls—highlighting creativity and frontend precision.
- Delivered a polished, production-standard experience that demonstrates mastery of WebGL and modern 3D rendering on the web.

### AI-Powered Conversational Interface | [chat.jasper.re](https://chat.jasper.re)

- Engineered and deployed a production-ready Gemini API chatbot on AWS EC2 with Dynamic DNS routing.
- Implemented robust security protocols including JWT authentication and rate limiting, ensuring reliable real-time performance and data protection.

### Enterprise Email Marketing System

- Designed and deployed a comprehensive email marketing platform with responsive HTML templates.
- Engineered a resilient content delivery architecture using AWS S3 and CloudFront CDN, achieving **99.9%** uptime and millisecond-level global delivery latency.

### High-Concurrency Event Ticketing Platform

- Developed a high-performance Nuxt.js frontend prototype
- Implemented optimized API interaction patterns and asynchronous data pipelines, reducing system latency by **25%**
- Architected and optimized RESTful API integration with JWT authentication, enhancing system security while reducing API response time by **20%**.

## EDUCATION

---

### Coventry University | Singapore

Bachelor of Science in Computer Science

2017 – 2019

### PSB Academy | Singapore

Diploma in Infocomm Technology

2016 – 2017

## TECHNICAL SKILLS

---

- **Frontend Frameworks:** Vue.js, Three.js, Nuxt.js, React.js,
- **Styling & UI:** TailwindCSS, Bootstrap, SCSS/SASS, CSS3, GSAP, Responsive Design
- **Programming Languages:** TypeScript, JavaScript (ES6+), HTML5
- **Cloud & DevOps:** AWS (EC2, S3, CloudFront), DigitalOcean, Docker, Nginx, PM2, CI/CD Pipelines
- **Security & APIs:** RESTful APIs, GraphQL, JWT Authentication, OAuth2, WebSockets
- **Development Tools:** Git, GitHub Actions, Webpack, Vite, Jira, Figma, Chrome DevTools
- **State Management:** Pinia, Redux,

## ONLINE PRESENCE

---

- **Portfolio:** [jasper.re](https://jasper.re)
- **GitHub:** [github.com/jaspetham](https://github.com/jaspetham)
- **LinkedIn:** [linkedin.com/in/jasper-tham/](https://linkedin.com/in/jasper-tham/)