

# Aaron Yong

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## PROFESSIONAL SUMMARY

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Senior Software Engineer with 4+ years of experience delivering full-stack solutions across insurance, fintech, and infrastructure domains. Proven track record of owning complex features end-to-end — from architecture through release — in cross-functional, distributed teams spanning multiple regions and time zones. Adept at building high-availability APIs, resilient CI/CD pipelines, and cloud-native platforms on Kubernetes. Experienced in bridging legacy systems with modern architecture, and thrives in async-first, remote and cross-timezone collaboration environments. Passionate about clean code, developer experience, and measurable engineering impact.

## TECHNICAL SKILLS

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<b>Languages</b>	TypeScript, JavaScript, Java, Python, PowerShell, SQL
<b>Frameworks</b>	Spring Boot, React.js, Node.js, Next.js, Express.js
<b>Databases</b>	MySQL, DynamoDB, PostgreSQL
<b>DevOps</b>	Docker, Kubernetes (GKE), GitHub Actions, CI/CD pipeline design, PM2
<b>Cloud</b>	Google Cloud Platform (GKE), AWS (DynamoDB, Lambda), Oracle Cloud Infrastructure
<b>Tooling</b>	Git, Jira, Confluence, Linux, Turborepo, async/distributed team workflows
<b>Architecture</b>	Microservices, REST APIs, event-driven systems, API design, data pipelines, legacy system integration

## EXPERIENCE

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### Software Engineer · Arkmind Sdn Bhd

March 2025 – Present

*Building Loan Origination & Management Systems for financial clients using TypeScript microservices on GKE.*

- Integrated e-Invoice and Direct Debit modules into core financial systems, coordinating directly with third-party vendors to ensure end-to-end stability across production environments.
- Led end-to-end ownership of major modules — from client requirement-gathering sessions through architecture design and task delegation across a team of 4 engineers — ensuring alignment between business needs and technical delivery.
- Touched every service layer in the loan lifecycle — from credit report integrations to the collections service tracking outstanding loans — maintaining full-stack breadth across an 8-engineer team.
- Owned and enhanced CI/CD pipelines across multiple projects, eliminating manual deployments and saving 5–10 minutes per pipeline run — across multiple daily runs — while keeping operational costs minimal.
- Oversaw Kubernetes deployment infrastructure on GKE, ensuring high availability while balancing release stability, ease of update, and strict client cybersecurity requirements.
- Served as the primary client contact for ad hoc support, production issues, and hotfixes, ensuring fast resolution with minimal business disruption.
- Designed and documented a data patching workflow with automated backups and staging environment validation, enabling safe rollback before any production changes.
- Standardised internal documentation, onboarding materials, and async knowledge-sharing practices — reducing repeated knowledge transfer sessions and accelerating ramp-up for new team members across projects.
- Reviewed and improved development tooling and workflows to enhance developer experience and eliminate friction across the engineering team.
- Built and maintained Node.js backend microservices powering loan origination workflows, handling high-throughput API traffic with robust error handling and structured logging.

- Developed client-facing dashboard interfaces using React.js and Next.js, delivering server-side rendered pages for improved performance, SEO, and seamless user experience across loan management modules.
- Implemented reusable React component libraries and shared hooks across multiple Next.js applications, reducing frontend development time and ensuring UI consistency across projects.

**Software Engineer II** · Guidewire Software Sdn Bhd

July 2022 – February 2025

*Full-stack development on enterprise insurance software serving the Australia/New Zealand and French markets, within an 18–24 engineer organisation across 3 cross-functional pods.*

- Served as Release Master on an estimated 4–5 quarterly releases, coordinating cross-regional teams across APAC, ANZ, and European time zones to execute releases with minimal delays and zero production incidents.
- Re-architected a pre-production DynamoDB table to conform to NoSQL best practices, implementing custom Spring repository patterns that improved query performance and long-term scalability.
- Led technical spikes during full-stack feature development, producing proof-of-concept implementations and running knowledge-sharing sessions to asynchronously align distributed team members on recommended approaches.
- Identified and resolved production bugs with root cause analysis and cost-benefit evaluation of proposed fixes, reducing risk and ambiguity during implementation.
- Contributed to a cross-market French localisation initiative alongside the core ANZ feature roadmap, collaborating with teams across regions on a tight release schedule.
- Drove proposals to adopt improved technologies during iterative development cycles, directly improving code maintainability and reducing technical debt.

**System Engineer** · Cloud Nation Sdn Bhd

2021 – July 2022

*DevOps, infrastructure engineering, and managed services for enterprise clients across Malaysia.*

- Developed custom PowerShell automation scripts and platform tooling to streamline infrastructure assessments and recurring BAU operations, reducing manual intervention across client environments.
- Deployed, upgraded, and maintained Microsoft Exchange Server and Windows Active Directory environments, consistently achieving minimal downtime during transitions.
- Executed infrastructure upgrades involving hardware procurement, virtualisation, clustering, and backup system integration.
- Performed ad hoc disaster recovery and production system assessments directly with clients under time pressure.
- Achieved four industry certifications across Oracle Cloud Infrastructure and Microsoft 365 within the first year.
- Configured, set up, and maintained physical servers in private data centres for clients, ensuring reliable operations and compliance with client-specific infrastructure requirements.

**EDUCATION**

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**Bachelor of Information Technology (Software Engineering)**

2018 – 2021

*SEGi University, Malaysia · First Class Honours, GPA 3.93 / 4.0*

*Final Year Project: Facial Recognition system using Machine Learning and Python.*

**Bachelor of Games Development (Design)**

2014 – 2016

*SAE Qantm, Melbourne, Australia*

**CERTIFICATIONS**

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Oracle Cloud Infrastructure – Architect Associate  
 Oracle Cloud Infrastructure – Foundations Associate

Microsoft 365 – Messaging Administrator Associate  
 Microsoft 365 – Azure Administrator Associate