

Shane Peiris

TECHNICAL LEAD | CLOUD SOLUTIONS ARCHITECT | AWS SPECIALIST | FULL-STACK INNOVATOR

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Innovative Technical Lead with over 12 years of experience delivering secure, scalable, and performance-optimized software solutions. Proven expertise in full-stack development (Node.js, React.js) and AWS cloud-native architecture. Adept at leading cross-functional teams, modernizing legacy systems, and translating complex business challenges into robust technical designs. AWS Certified and passionate about mentoring developers and driving engineering excellence.

TECHNICAL SKILLS

- **Languages & Frameworks:** JavaScript (Node.js, React.js, Next.js), TypeScript, .Net, PHP, HTML/CSS
- **Cloud & DevOps:** AWS (EC2, Lambda, ECS, S3, CloudFormation, RDS, API Gateway, VPC, ElastiCache, SQS, Secrets Manager, Amplify), Docker, GitHub Actions, Jenkins, Git, CloudWatch, IAM, Parameter Store
- **Architecture & Methodologies:** Solution Design, CI/CD, Agile (Scrum, Kanban), Microservices, REST APIs
- **Databases:** PostgreSQL, MongoDB, MySQL
- **Testing & Quality:** Jest, Cypress, Postman, OWASP principles
- **Certifications:** AWS Certified Cloud Practitioner | AWS Solutions Architect Associate (In Progress)

PROFESSIONAL EXPERIENCE

Senior Consultant

Kodez | Melbourne, Victoria | Aug 2025 – Present

Kmart as a Senior Software Engineer (Nov 2025 – Present)

- Designed and implemented a centralised authentication token management solution to eliminate performance bottlenecks caused by multiple AWS Lambda functions independently generating vendor auth tokens. Leveraged DynamoDB, EventBridge and IAM best practices to ensure token availability, reduce external API calls, and improve overall system stability.
- Developed and maintained Infrastructure-as-Code (IaC) using AWS CDK v2, provisioning and evolving cloud resources across multiple services and repositories. Delivered reusable, secure infrastructure components for Lambda, EventBridge, DynamoDB, Secrets Manager, and supporting AWS services.
- Led technical solution design for multiple business initiatives, analysing vendor API contracts, OpenAPI/Swagger specifications, existing microservices, and legacy codebases to produce clear, scalable solution designs and implementation plans.

- Created AWS architecture and integration diagrams (high-level and detailed) to communicate system design, data flows, and operational considerations to engineering, architecture, and business stakeholders.
- Built and maintained observability dashboards in Sumo Logic to monitor newly released features, API error rates, request patterns, latency, and failure scenarios, enabling faster issue detection and improved post-deployment visibility.
- Improved unit test coverage and code quality across existing codebases by enhancing Jest test suites, refactoring critical logic, and adopting consistent testing and linting standards to reduce regression risk.
- Remediated security vulnerabilities and compliance findings identified through Wiz and other security scanning tools across multiple repositories, including dependency upgrades, CVE fixes, and security hardening of application and infrastructure components.

Internal (Aug 2025 – Nov 2025)

- Currently working on an internal AI-powered tool leveraging Azure and AWS, with React.js frontend and NestJS backend.
- Initially focused on uplifting the UI and improving user flows to streamline conversation generation and integrations.

Technical Lead

iSelect | Docklands, Victoria | Nov 2023 – Aug 2025

- Spearhead the design and development of scalable web applications using Node.js and React.js, leading a team of nine developers and QA professionals.
- Architect cloud-native solutions leveraging AWS services such as EC2, S3, Lambda, and RDS, while deploying infrastructure through CloudFormation templates.
- Implemented deployments to ECS, API Gateway, ElastiCache, and SQS while integrating services like Secrets Manager and Parameter Store for security and configuration management.
- Led the adoption of CI/CD pipelines, establishing six new pipelines to enhance deployment efficiency.
- Provided mentorship to junior developers through code reviews, knowledge-sharing sessions, and one-on-one sprint-based guidance.
- Analysed reports via Wiz to remediate PCI-related issues flagged within the system and AWS accounts.
- Managed the migration of legacy services, addressing vulnerabilities and rebuilding workloads to meet security compliance deadlines.
- Worked with a system over 12 years old known as DotCMS, supporting and maintaining it for ongoing business functions.
- Designed and developed AWS solution architectures, creating detailed diagrams for existing and newly built systems.
- Collaborated closely with solution architects, security, and infrastructure teams to validate and endorse designs and architectural patterns.

Software Engineer / Senior Software Engineer

Electricity Wizard | Docklands, Victoria | 2019-2023

- Oversaw the management and maintenance of all internal and external company websites, ensuring seamless performance and security.
- Designed and developed new content management systems, streamlining operations and enhancing content delivery.
- Developed and integrated third-party APIs to optimize system interoperability and data exchange.
- Administered cloud-hosted servers and services, ensuring high availability and scalability.
- Successfully integrated a retailer API to automate sales processing, replacing traditional SFTP-based CSV delivery.
- Led the transition to a remote work infrastructure using AWS Workspaces, maintaining productivity across distributed teams.
- Migrated office infrastructure to AWS Cloud, implementing VPC, VPN, Site-to-Site Networks, Managed AD, and EC2 for security and scalability.
- Automated key business processes, including sales, activity tracking, and backup reports, reducing manual workloads.

Software Engineer

Ethical Prospecting | Essendon, Victoria | 2017-2019

- Managed, designed, and developed the company website, improving user experience and functionality.
- Developed a custom CRM system using Pipedrive and an internal intranet to optimize business operations.
- Automated sales processing, reducing daily manual workload from three hours to just 15 minutes.
- Built robust reporting tools to enhance data analysis and business insights.
- Provided IT support, ensuring smooth internal system operations and rapid issue resolution.
- Led the digital transformation of business processes by integrating modern tools and workflows.
- Leveraged PHP, jQuery, HTML, CSS, and MySQL to maintain and enhance company applications.
- Managed cloud infrastructure, utilizing AWS and Vultr services such as EC2 and RDS.
- Integrated cloud-based collaboration tools like GitHub, Google Tag Manager, AdWords, Facebook Business Manager, Trello, and Slack.

EDUCATION

- **Master of Science in Information Technology (Professional Computing)**
Swinburne University of Technology, Hawthorn, Victoria, Australia | 2017 - 2019
- **Bachelor of Science in Computer Science** - Obtained First Class Honours (GPA 3.83)

University College of Dublin, Ireland (Conducted at National School of Business Management, Sri Lanka) | 2012 - 2014

- **Higher Diploma in Computer-Based Information Systems** - Obtained First Class Honours
National Institute of Business Management, Sri Lanka | 2011 - 2012
- **Diploma in Computer Systems Design** - Obtained First Class Honours
National Institute of Business Management, Sri Lanka | 2010 - 2011

AWARDS & CERTIFICATIONS

- AWS Certified Cloud Practitioner | 2023
- Full Scholarship for the Higher Diploma and a Gold Medal for being the batch-top island wide | 2011

ADDITIONAL INFORMATION

- Passionate about DIY projects, especially LED lighting.
- Enthusiast of home automation and an active contributor to the Open Home Foundation running Home Assistant.
- Enjoys outdoor projects such as woodworking and recently completed a backyard deck build.