

John Pereira

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Personal Profile

With over 15 years in the technology space, my area of expertise lies in API and large-scale Web application development and its related constellation of technologies and processes. I enjoy the challenge of learning new technologies and discovering problem areas where my domain expertise can be applied.

Core Competencies

- System design / Planning
- AWS platform
- PHP / Javascript / NodeJS
- Microservices & Web
- MySQL / NoSQL
- Docker / AWS ECS
- Profiling / Optimizing / Scaling
- Technical writing / Training
- APIs / Distributed systems
- DevOps / Security
- Bots / Automation
- Laravel / CakePHP / CodeIgniter

Personal Information

Highest Level of Education:

BSc (Hons) in IT, awarded by the Sri Lanka Institute of Information Technology

Certification:

[AWS Certified Solutions Architect – Associate](#)

Linkedin:

[linkedin.com/in/jnxpereira](https://www.linkedin.com/in/jnxpereira)

Stackoverflow:

[Stackoverflow.com](https://stackoverflow.com)

(within the top 0.5% of contributors)

Professional Profile

- Highly experienced in identifying customer requirements and translating them into product features. For the past decade, I have been involved in a leadership role with key responsibilities that include delivering successful products and being a force multiplier for the rest of my team.
- I am an AWS Certified Solutions Architect (Associate) and have multiple years of experience working with the AWS platform. Highly proficient at working with ECS, Lambda, IoT, and other services.
- Over a decade of experience in working with PHP and engineering everything from standalone web applications to large-scale ERPs to headless APIs.
- Over a decade of experience in working with large MySQL databases and fine-tuning the performance of MySQL servers. Also familiar with document-based datastores such as MongoDB and Firestore database.
- Highly skilled at using profiling tools to identify and fix bottlenecks in front-end and server-side environments.
- Previous experience with designing and developing front-end applications and hybrid applications using Javascript.

Recent Professional Experience

Senior Software Engineer - CreditorWatch

September 2023 - to date in Australia
<https://creditorwatch.com.au>

CreditorWatch's suite of API-integrated reporting, monitoring, and debt-collection tools cover a business's credit-risk management needs.

At CreditorWatch, I am a software engineering team lead in the Platform team. The Platform team provides our customers and other product teams with self-serve API solutions that power their products and services. My time is split between active software development, mentoring, system design, and code reviews. As our team owns integrations with ASIC, ATO, and ABR services, I actively contribute to multiple projects that support these verticals.

- My team introduced streamlined APIs for ASIC data broker services. The updates improved performance by 15% - 40% across the underlying API.
- Actively contributing toward the effort to migrate away from legacy codebases.

Early Employment

neXva Inc:

Jan 2011 - Dec 2011

Software Engineer

PPS Lanka:

May 2008 - Dec 2010

Software Engineer

PPS Lanka:

May 2006 - Apr 2008

Web Supervisor

Sunray Electronics:

Feb 2004 - Jan 2006

Sales Associate

Senior Backend Developer - Rentman

March 2021 - August 2023 in Sri Lanka / Netherlands / Australia

<https://rentman.io>

Rentman helps AV & Event companies manage their daily operations and improve their workflows so they can deliver better events.

At Rentman, I am the sole senior backend engineer on my team. My time is split between active development, mentoring, and contributing to the technical committee. As our team owns the crew planning and billing services, I actively contribute to multiple projects that support these verticals. I also carry out cross-team devops tasks due to my experience with AWS and Docker.

- Designed and implemented the incident management and response process that is used at Rentman.
- Led the project that converted a legacy system to the new Custom Pay Rates feature and migrated over 5 years of data without incident.
- Helped meet ISO 27001 certification objectives by implementing automated active vulnerability scanning in our release pipeline using OWASP Zap.
- Actively contributing toward the effort to migrate services from legacy PHP codebases to Laravel.

Senior Tech Lead at Salpo Technologies

February 2019 - March 2021 in Sri Lanka

<https://salpo.com>

Salpo builds award-winning custom software platforms and mobile apps to help businesses grow and solve critical organizational problems.

During my tenure at Salpo, I primarily took the lead role for the team that was developing the Plasmio micro-learning platform. Plasmio is powered by a micro-services platform built around EnvoyProxy and Consul. The entire solution is deployed to AWS ECS using CircleCI and uses Docker containerization. On ECS, both the micro-services platform and the Plasmio application are load-balanced and auto-scaled for maximum availability.

- Created the first version of the micro-services platform that powered the Plasmio API and application.
- Developed and deployed a service mesh by creating an API for EnvoyProxy based on their xDS REST protocol.
- Designed a solution and led the team that built a backend for an AWS IoT platform-based lockbox product.
- Led a team to improve estimation skills across the company after subpar estimations were identified as a primary reason for project overrun.

Co-Founder at Instawell

January 2012 - December 2018 in India / Singapore

<https://instawell.com>

Instawell is a community-driven marketplace for self-help plans by mental health professionals. The service is available over the Web and through dozens of external platforms via deep API integrations.

As the technical co-founder, I was the lead in designing and implementing all aspects of the technology stack. Technologies included PHP7 for core

functionality and API support. NodeJS, ExpressServer, and Socket.io for real-time sockets. RabbitMQ as the message broker to communicate between services. MySQL, Redis, and Elasticsearch were used as data stores.

- Created a rich text-based conversation flow to integrate the marketplace API with external platforms such as Slack, KiK, Skype, MS Team, Telegram, IFTTT, HipChat, and SMS.
- Scaled platform by identifying caching bottlenecks, inefficient reads, and unnecessary resource allocation. These upgrades were validated when the Instawell Chrome App was featured on the Chrome Extensions Store under the Health & Wellness category.
- Created a JS middleware that allowed the front-end app to function within Web as well as Hybrid environments like PhoneGap, Trigger.io, and Kik Messenger.
- Duties also included supervising and working with external service providers, day-to-day development, project management, monitoring platform health, and identifying and responding to any developing issues.

References available upon request.