Hey, I'm Clem 👋

I'm a passionate software engineer who loves solving problems. I strive for maintainable user-centric products, clean and efficient codebases, and high-performing teams where standards, tools, and processes smooth the development to deployment journey.

Naturally curious, I work to maintain a broad range of skills, from architecture to web and mobile tech, to DevOps, to team development. I'm a big fan of Laravel, praise open source and contribute when possible. Ultimately, I enjoy producing solid, meaningful products.

Skills & Technologies

Core

- Laravel (PHP)
- React / Vue / Node.js (TypeScript)

Extended

`Algolia` , `AWS` , `AWS Amplify` , `AWS CloudFront` , `AWS CloudWatch` , `AWS ECS` , `AWS EventBridge` , `AWS Lambda` , `AWS SNS` , `AWS SQS` , `Bash` , `BigCommerce` , `Chef` , `Craft CMS` , `Detox` , `Docker` , `Elasticsearch` , `Express` , `Gatsby` , `GitHub Actions` , `Grafana` , `GraphQL` , `Grunt / Gulp / Webpack` , `Inertia` , `Jest` , `Node.js` , `Pest` , `PHPUnit` , `Prismic` , `Progressive Web Apps` , `PubSub` , `Push Notifications` , `React Native` , `RESTful APIs` , `Serverless Framework` , `Terraform` , `TDD` , `TypeScript` …

Other skills

`Architecture and prototyping` , `Code Review` , `DevOps` , `Group and workshop facilitation` , `Linux server administration` , `Mentoring` , `Observability` , `Open Source development` , `Package development` , `Pair and mob programming` , `Peer leadership` , `Documentation` …

Experience

» Lead Software Engineer - Full Stack at **Pod Point**

January 2020 - January 2025

- Led 4 successive squads of 3 to 5 engineers in an Agile environment, very much hands-on, focusing on various areas of the business, primarily B2C and B2B activities such as eCommerce, fleet management and partnerships. Liaised with the Product Owner, Domain Architect, and Agile Delivery Manager to scope incoming sprints from a technical perspective.
- Set high standards in an open and effective environment, ensuring high code quality through tooling, coding standards, and code reviews while avoiding becoming a bottleneck. Facilitate the production of technical specifications, documentation and prototypes in a collaborative manner whilst remaining an individual contributor with back-end and front-end development, focusing on both short and long term goals.
- Commit to various modernisations and improvements within our estate and collaborate with Product Owners to meet both business and quality objectives.
- Revamped the existing Laravel 5.4 Authentication Service into a centralised Account Service using Laravel 8+, Inertia, React, Single Sign-On (SSO), Multi-Factor Authentication (MFA),

RESTful APIs, and PubSub event-driven patterns. Implemented a modern CI pipeline using GitHub Actions on top of it.

- Integrated with Google Identity Platform (Firebase) to roll out SSO and MFA authentication capabilities in an existing Laravel application, utilising feature flag functionalities from our own open-source Laravel package for ConfigCat SaaS.
- Led the development and refactoring of a complex eCommerce business function in an event-driven environment, using PubSub patterns, integrating with BigCommerce's headless API, Prismic CMS, and Salesforce, serving a SPA built with Gatsby and React on AWS Amplify. Managed technical debt, including decommissioning Redux and implementing React Query to unify and simplify the state management. Work hand in hand with customer support in order to build from the ground up monitoring, metrics, alerting and tooling to help troubleshooting issues and improve both our support and our systems using OpsGenie, AWS CloudWatch, Sentry, and MS Clarity. Coordinated feature releases through VWO A/B testing. Overhauled development workflows and pipelines, transitioning from long-lived branches and manual deployments to trunk-based development, deployed automatically via CI, with vanity URLs and fully GitOps-managed through GitHub Actions. Implemented Lighthouse CI Server and reporting within the CI pipeline. Coordinated the migration to GA4 through GTM and maintained the internal proxy using the Serverless Framework, processing SQS queues and forwarding HTTP calls via AWS Lambda.
- Own and maintain AWS accounts and resources provisioned via infrastructure as code for our domain within a distributed architecture
- Facilitated and contributed to the migration of a dozen applications (Laravel and Node.js) from legacy infrastructure to a new environment using Terraform, Docker, and AWS ECS, following AWS security and architecture practices, alongside the implementation of new CI pipelines with GitHub Actions.
- Created and maintained open-source Laravel packages to address various technical challenges faced by the business.
- Scoped, planned, and developed integrations to support specific companies in our main Partnership portal using Laravel, enabling the onboarding of 1000+ partners.
- Continued to drive technical recruitment by developing additional technical tests (challenges) and conducting interviews, scaling the software department to 50+ and contributing to the company's acquisition and IPO.

» Senior Software Engineer - Full Stack at **Pod Point**

April 2019 - January 2020

- Joined a small team to assist with prototyping, developing, and deploying new features in an Agile environment for eight Laravel applications, alongside several Node.js, AWS Lambda, and React SPA applications. Contributed across all levels of the software department, covering areas from network (IoT communications and telemetry) to B2C and B2B.
- Organised and participated in bi-weekly engineering and learning sessions (R&D) across two to three squads, assisting peers with outcomes such as presentations, open-source contributions, and internal tooling development. Served as a member and speaker at the internal Architecture Steering Group.
- Contributed to maintaining a high-volume IoT data pipeline via Lambda (using the Serverless framework), Kinesis Streams, and SNS/SQS, consumed by a single Laravel application. Participated in the ongoing development of the mobile application using React Native and coordinated efforts to cover it with Detox end-to-end tests, complementing existing unit tests.
- Designed and crafted technical tests (challenges) for full-stack, front-end, DevOps, and mobile engineers, and contributed to the recruitment process by preparing and conducting technical

interviews. Helped scale the team from six engineers in one squad to eighteen engineers across three squads.
- Implemented AWS solutions and maintained DevOps practices, including EC2 provisioning and deployments, as well as RDS, Elasticsearch, and CloudFront management. Took ownership of the legacy infrastructure as code (IaC) built with AWS OpsWorks and Chef, maintaining it while establishing a dedicated DevOps team.
- Took over and successfully completed the development of a Node.js application using Express and MongoDB, providing public charging information via the OCPI protocol. The project was initially developed by contractors.

» Software Engineer - Full Stack at **fuseAware**

November 2018 - April 2019
- Responsible for the scoping, refactoring and ongoing development of the fuseAware back-end application using Laravel, Vue and TDD, in an Agile environment
- Streamlining the software and infrastucture architecture in order to improve scalability and maintainability of the back-end application
- Ensuring the back-end application meets the KPIs defined for performance and uptime, and that the code deployed is tested, reliable and fit for purpose

» Technical Lead at **Cyber-Duck**

March 2017 - October 2018
- Working at every technical level of a project, from supervision to implementation, working closely with the project manager, our DevOps team, and the developers
- Responsible for overseeing the expertise of the tech department by establishing standards, and streamlining processes and toolchains
- Developing applications in object oriented PHP frameworks like Laravel using TDD and SOLID principles
- Developing and deploying mobile applications for clients using technologies like Appcelerator Titanium, Node.js and Web APIs

» Senior Web & Mobile Developer at **Cyber-Duck**

March 2014 - March 2017
- Progressing from junior to senior, taking responsibility for retainer projects and project management
- Developing applications in object oriented PHP frameworks like CodeIgniter, Laravel, and Silverstripe
- Working with other technologies like Appcelerator Titanium and Node.js, especially for R&D projects like UX Companion, a glossary of user experience terminology downloaded more than 50,000 times

Open Source Contributions

Here are a few open source contributions I'm pretty proud of.

ConfigCat package for Laravel

Create and maintain a community package for ConfigCat feature flag Saas, getting the Laravel logo onto ConfigCat's homepage along the way.

- https://github.com/pod-point/laravel-configcat

- https://configcat.com/docs/sdk-reference/community/laravel

Laravel 8.52 Contribution - Laravel News

Article: https://laravel-news.com/laravel-8-52-0#content-model-broadcasting-methods

- Model Broadcasting - Adding broadcastWith() and broadcastAs() support (#38137)
- Ability to specify the broadcaster to use when broadcasting an event (#38086)

Laravel Mail Export - Laravel News

Article: https://laravel-news.com/laravel-mail-export

- https://github.com/Pod-Point/laravel-mail-export

Laravel AWS PubSub - Laravel Package

- https://github.com/Pod-Point/laravel-aws-pubsub

Laravel Contributions

- Framework: https://github.com/laravel/framework/pulls?q=author%3Aclemblanco
- Docs: https://github.com/laravel/docs/pulls?q=author%3Aclemblanco