

# Vadi Taslim

Software Engineer

✉ vlimz77@gmail.com

☎ (+61) 423 222-658

🌐 vaditaslim.com

🔗 github.com/chozzz

## Experience

### Frontend Developer (Full Stack Developer) @ *Solution Digital Pty Ltd*

Jul 2021 - Present // Remote + On-Site

- Coordinate the design and implementation of various applications, including collaboration with project managers, and client representative and development teams.
- Introduced React best practices to the team, to mitigate future issues when upgrading dependencies to the latest.
- Reduced output bundled size down by 50%, by refactoring existing codebase, caching strategy and splitting dependencies i18n at compiler level.
- Enforce code standard and readability by utilizing eslint, stylelint, prettier and husky.
- Reduced page load stress on slow API responses by asynchronously loading everything in background parallelly while displaying loader-like UIs without disrupting UX.
- Helped migrate the existing tech stacks to NextJS to improve SEO and UX performance.
- Participated in architecture oversight, debugging, documentation, and code fixes.
- Built and architected a SEO-friendly, mobile-first and WCAG compliant new application from ground-up and led a team of five to transition to NextJS based application.
- Implemented region-based rollouts for new features, ensuring minimal disruption and seamless integration.
- Developed comprehensive QA testing strategies and collaborated closely with QA teams.
- Contributed to the design and implementation of a new order summary component, ensuring alignment with user needs and business goals.
- Integrated various payment solutions, including Adyen and CommerceTools, to enhance the checkout experience.
- Leveraged analytics tools like Mixpanel and Freshpaint to track user interactions and improve the overall product.
- Utilized AWS Step Functions, Lambdas, and API Gateway to create scalable and reliable backend services.
- Proactively addressed design feedback and ensured consistent implementation of UI/UX standards.
- Maintained unit test practices on several projects under Jest to integrate with Sonar by forwarding coverage reports.

Key Projects:

- Cart and Checkout:
  - Implemented solutions involving Adyen, CommerceTools, Mixpanel, Freshpaint, AWS Step Functions, Lambdas, API Gateway, and Cloudwatch.
  - Addressed and resolved issues related to promo codes and checkout processes.
  - Finalized cart and checkout pages, ensuring all features were functional and met user expectations.
  - Validated shipping costs at a cart level for one-time purchases and subscriptions, enhancing user clarity.
  - Improved UI/UX through dynamic data handling and comprehensive authoring fields.
  - Developed object repositories for test automation, ensuring efficient testing and validation processes.
  - Achieved comprehensive unit test coverage for Cart/Checkout components, ensuring robust functionality.
  - Led the global rollout of Cart and Checkout features, ensuring consistent functionality across regions.
  - Successfully rolled out the V3 EU Cart and Checkout features, ensuring compliance with regional requirements.
- Inspiration:
  - Developed a site for recipes, tutorials, and masterclasses to boost Breville product engagement.
  - Migrated to the latest NextJS version (v12 to v14), utilizing best practices for optimal performance.
  - Resolved lazy load issues in Next/Image, ensuring optimized and performant image loading.
  - Documented and implemented debug steps for tutorial issues, streamlining the troubleshooting process.
  - Collaborated on immediate fixes for recipe-related issues, ensuring high-quality user experiences and stakeholder satisfaction.

### Frontend Engineer @ *Heritage Consulting (via Toptal)*

Aug 2020 - Feb 2022 // Remote (US)

- Worked closely with Owner and engineered a Next.js application from scratch following the existing design, with an SEO-friendly architecture, WCAG compliant and responsive design pattern.
- Helped to transition and migrate data of old applications to the new one, and provides a sustainable solution in terms of hosting.
- Integrate GraphCMS to the new application, provides flexibility to authors to create and maintain custom pages.

### Frontend Engineer @ *Hennep LLC (via Toptal)*

Jan 2022 - Feb 2022 // Remote (US)

- Participate in team development of responsive web tools for Cannabis inventory optimization working between wholesaler and retailer APIs, with a future vision for end-to-end ERP functionality.
- Collaborated closely with the team to define technical approach, user stories, and estimations to build user-facing application,
- Developed (with other front-end developers) a web application for internal usage inside offline shops which allows visitors to scan QR codes, check all info about the product, add it to card, etc.

### Frontend Engineer @ *Gamefaced LLC (via Toptal)*

Aug 2020 - Feb 2022 // Remote (US)

- Collaborated closely with the team to define technical approach, user stories, and estimations to build user-facing application,
- Took ownership of Front-end applications and built it from ground-up with React, Redux and Typescript.
- Took ownership of Discord bot application, architect and built it from ground-up with NodeJS, Redis and Postgres.
- Implemented responsive, mobile-first web application from concept through deployment.
- Implemented marketing email templates utilizing html native markups with strong support across mail applications from screen readers to web mail and to desktop mail applications with respect to operating system built-in themes.
- Maintain and refactor existing features, and consistently improve page performance to Web Vitals standard for better SEO and UX purposes.
- Helped to establish CI/CD on github workflow and deployment scripts with Docker to S3.
- Utilized best practices on both applications by covering them with unit tests, linter, prettier and custom made type definitions.
- Participated in code peer reviews daily and adapting to different sets of codebases and languages.
- Engineered server-side rendering from the ground up on an existing front-end application (React, Redux and Typescript), which is compatible with third-party libraries such as CSS Modules, Router, Query Param, and Redux Store using Express and Webpack.
- Integrated seamless payment UI/X closely with our designer to support multiple payment platforms such as Paypal, Stripe and Shift4.
- Migrated the existing tech stacks to NextJS

### Frontend Engineer @ *Wallethub*

Nov 2018 - July 2020 // Remote (Washington DC, US)

- Took ownership of OWASP ZAP project in the first week to automate evaluation of found CVE vulnerabilities and to apply security patches.
- Maintained existing features and worked daily with a variety of different languages, frameworks and content management systems such as PHP, JavaScript, Angular 8, TypeScript, Node, WordPress, Redis, SOLR, MySQL, Shell, etc.
- Developed a set of automated security scanners of the most critical web application security breaches based on OWASP.
- Responsible for creating, improving and developing new responsive web pages.
- Researched and analyzed known hacker methodology, system exploits and vulnerabilities based on or escalated from reports submitted through Bugcrowd and Hackerone.
- Initiated and implemented sanity, regression and acceptance unit tests with Mocha.
- Applied SEO best practices and automate processes for sitemap generation, and implemented Google AMP mobile-optimized contents for existing pages.

### Frontend Engineer @ *Awe*

May 2017 – February 2019 // Remote (Sydney, AU)

- Collaborated within a small team to create a 3D web application based on clients needs.
- Took ownership of the core component in the first year, that is responsible for 3D rendering capabilities in our main framework.
- Learned matrices, trigonometry, geometry and linear algebra to engineer the core component.
- Tuned with cross-browsers latest bugs, updates, capabilities policies and for recent features that were related to WebGL, VR, AR or XR.
- Developed and shipped robust and highly interactive plugins for components using ThreeJS.
- Conducted benchmarking for browser’s scripting, rendering and painting performance.
- Tracked, analyzed and applied fix patches to code smells and memory leaks.

### Frontend Engineer @ *Dominopos*

April 2016 – May 2017 // On-Site (Bali, ID)

- Wrote modern, performant and robust code for a diverse array of internal projects.
- Contributed to open-source projects whereas to also support company products development.
- Periodically reviewed codes and conducted team discussion to solve possible fragile or outdated solutions.
- Designed and implemented unit testing for existing projects from the ground up. To achieve this, I also managed to work with the quality assurance team to find the best, self-adaptive tools to support the entire product's lifecycle.
- Standardized all output with a new, responsive, mobile-first approach and strategy.
- Won the second cup of the company's annual codecamp event which was to build the first five web pages from scratch in a modern style by utilizing the latest technologies such as Angular (2+), SCSS, Node and MySQL.

### Fullstack Engineer @ *Logistics Consulting Asia*

May 2015 – March 2016 // On-Site (Selangor, MY)

- Worked closely with designers and management team to develop, document and manage the logistics workflow.
- Proposed and implemented scalable solutions for deprecated codes that were optimizable to improve performance.
- Built and monitored clients' custom reports and determined necessary enhancements.
- Architected and implemented the back-end features and ensured it was covered in both unit and functional tests, and successfully that it was almost never to break other existing features.

### Fullstack Engineer @ *PowerGEN*

July 2012 – April 2015 // On-Site (Jakarta, ID)

- Worked closely with managers and interfaced with clients on a weekly basis, providing latest technological expertise and knowledge.
- Developed and maintained multiple projects for a diverse set of clients.
- Provided on-site support for live applications and performed root cause analysis of production impacting issues.
- Architected and built a large-scale windows desktop application for facial recognition and fingerprints identifiers by using .NET4, DigitalPersona, and Neurotech API.

### Tech Support @ *Digicall*

June 2010 – July 2011 // On-Site (Sydney, AU)

- Helped maintain international VoIP traffic routing into Australian mobile networks.
- Operated GSM gateway hardware that used SIM cards to route calls locally.
- Regularly replaced, recharged, and managed SIM cards to keep call flow running smoothly.
- Performed on-site maintenance at a data center, including access to shielded/non-radiation rooms.
- Occasionally used a basic command-line interface to adjust system settings.
- Researched cost-effective SIM card plans for better international call rates.

## Skills

### Programming Languages

HTML, CSS, SCSS, LESS, JavaScript (ES6+), TypeScript, PHP, Java, C#, SQL, Bash, Shell, Python (LLM orchestration, ML pipelines)

### Libraries & Frameworks

React, Next.js (v9–v15 RC), Redux, Angular (2+), jQuery, Node.js, Express, Fastify, Sails, Passport.js, Tailwind, Jest, Cypress, ThreeJS, Bootstrap, WordPress, Laravel, Leaflet, DevExpress, .NET (4+), Fontawesome, Neurotech,

**AI / ML Ecosystem:** PyTorch, TensorFlow, Hugging Face, LangChain, Mastra, Gradio MCP, ComfyUI, OpenAI API (GPT-4/5, embeddings, fine-tuning), LM Studio, Llama.cpp, Agent/Tool Calling patterns

### Tools & Platforms

AWS (Step Functions, Lambdas, API Gateway, CloudWatch), Git, Gulp, Grunt, Webpack, Docker, phpMyAdmin, OWASP ZAP, SOLR, Redis, MongoDB, ElasticSearch, Vim, Nightwatch, Mocha, Selenium, Geckodriver, Webdriver, Firebase, Vercel, Algolia, GraphCMS, Mixpanel, Freshpaint, MySQL, DigitalPersona, Bugcrowd, Hackerone,

**AI / Dev Productivity:** GitHub Copilot, Cursor AI IDE, Supabase (with edge functions), Proxmox (GPU passthrough & inference workloads), TrueNAS (NFS + dataset storage), LM Studio (local inference & experimentation)

### Others

Photoshop, Illustrator, Premiere Pro, 3D Studio Max, V-Ray, SEO, WCAG Compliance, CI/CD, Docker, S3, QR Codes, Next/Image, Payment Solutions (Adyen, CommerceTools, PayPal, Stripe, Shift4),

**AI & ML Applications:** Binary classification, real-time transcription pipelines, Voice Activity Detection (WebRTC/WebSocket), Stable Diffusion (inference + workflow exploration), Quantum Computing (Shor's algorithm, ECC research).

## Education

### Sydney University

February 2010 - July 2010 // Sydney, NSW

Graduate Certificate of Master of Interactive Design & Electronic Arts.

### Academy of Information Technology

February 2007 - August 2009 // Sydney, NSW

Certificate II of Multimedia  
Diploma of Multimedia

## Projects

### Vargos.ai (Master Control Program)

A personal MCP server and system-level AI agent platform - the evolution of **Ingra.ai** - designed for self-hosted, dynamic AI orchestration. Vargos integrates Python and Node.js runtimes, supports OpenAPI schemas, and enables unlimited dynamic tool calling for complex automation workflows. Built to act as a foundation for real-world AI agents, with extensibility for streaming, multi-agent systems, and integration into existing infrastructure.

**Ingra.ai** (*Discontinued*) [View at Github](#) | [Docs](#)

A platform to curate virtual functions, workflows, and AI Assistants for tool-calling. Served as the foundation of Fargos, but discontinued before going to market.

### Breville – Inspiration Platform (*Professional*)

Developed Breville's global content hub for recipes, tutorials, and classes, powering millions of users across multiple locales with Next.js, Algolia, and i18n workflows.

### Breville – Checkout & Payments (*Professional*)

Re-architected Breville's checkout system across 30+ countries, integrating Adyen, PayPal, Klarna, and Stripe while solving regional compliance and address format challenges.

### WalletHub (*Professional*)

Contributed to WalletHub's fintech platform, enhancing full-stack features, optimizing performance, and integrating secure workflows for high-volume financial data.

### Homelab AI Infrastructure

Custom-built Proxmox cluster with GPU passthrough to run LLM inference, binary classification models, and local workflows using LM Studio, Llama.cpp, PyTorch, and TensorFlow.

### Earlier Work (Discontinued)

**Unfat** – Node/Express/Python web app for lossless image compression.

**URL Shortener** – Laravel-based URL shortening service.

**Locus** – Android app for real-time location tracking & messaging.

## Interests

Artificial Intelligence, LLMs, agent frameworks, AI infrastructure, Open-source software, Homelab architecture, Proxmox, TrueNAS, GPU inference, Quantum Computing, cryptography, Shor's algorithm, Internet and emerging technologies, Music production, Gaming, Reading sci-fi and technical literature and cultural exploration.