

Osmar Petry

Senior Software Engineer

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SUMMARY

Luxembourgish-Brazilian Senior Software Engineer with 10+ years building and scaling web and mobile products across EU and US distributed teams. Full-stack delivery across TypeScript and Python: product interfaces in React, Vue and Next.js, backend services with Node.js, FastAPI and Temporal, and the testing, CI/CD and observability practices that keep them reliable in production.

CORE SKILLS

TypeScript, JavaScript, Python, React, Next.js, Vue, Nuxt, Node.js, FastAPI, Pydantic, Temporal, REST APIs, PostgreSQL, Supabase, GraphQL, RAG, Pinecone, Observability, Distributed Tracing, Unit Testing, Jest, Testing Library, Cypress, Playwright, CI/CD, Development and Build Tools, Redux, Storybook, React Native, AWS, GCP, Firebase, Drizzle ORM, Micro Frontends, HTML, CSS, Java

EXPERIENCE

Deelan | Senior Software Engineer

Luxembourg | Jun 2026 - Present

- Built the session intelligence pipeline end to end for a coaching platform, from ingestion through AI-assisted diagnosis to generated roleplay grounded in a Pinecone knowledge base.
- Implemented RAG workflows over a Pinecone vector store with Python and FastAPI services, using Pydantic models to validate what crosses the API boundary.
- Orchestrated long-running session processing with Temporal, so multi-step jobs stay durable and consistent across retries and partial failures.
- Instrumented the pipeline for observability with structured logging, tracing and metrics, so a failed session is diagnosed from evidence rather than guessed at.
- Delivered the product surfaces in Vue, Nuxt and TypeScript, including virtualized tables that keep large result sets responsive, and the shared design system.
- Shipped behind feature flags with Playwright end-to-end coverage, on Supabase and PostgreSQL.

Cyberr® | Senior Software Engineer

Luxembourg | Oct 2025 - Jun 2026

- Building product features for a cybersecurity recruitment platform and upcoming social network, contributing across frontend engineering and practical full-stack delivery.
- Delivered an end-to-end calendar and meeting scheduling flow, including calendar views, request, accept, propose, and decline flows, plus supporting dashboard widgets.
- Built production features with Next.js, React, TypeScript, HTML/CSS, HeroUI, React Hook Form, and Zod, while keeping the implementation maintainable and testable.
- Contributed to backend development with Node.js, TypeScript, and Drizzle ORM for full-stack feature delivery.
- Worked on Daily.co integrations and the initial Microsoft Graph flow for calendar-related product functionality.
- Delivered the full-stack integration with Veriff for identity verification.
- Implemented Storybook documentation and unit tests for critical flows to improve reliability and developer experience.
- Applied JavaScript, TypeScript, HTML, CSS, React, unit testing, development and build tools, and CI/CD practices across frontend-driven product delivery and full-stack integrations.

Attend | Senior Software Engineer

Los Angeles, CA, USA (remote) | May 2023 - Oct 2025

- Built and scaled product features across Attend's platform, contributing across frontend engineering and practical full-stack delivery.
- Spearheaded the development of an administration dashboard for inventory and assignment management, reducing operational workload and support ticket response time while removing the need for additional staff monitoring.

- Contributed to payment workflows and gift card integrations for Flex, supporting business-critical product flows.
- Worked across Pass, Flow, and Flex to improve data synchronization, UI consistency, and cross-product usability.
- Delivered frontend and backend contributions in a product environment with multiple operational surfaces, business-critical flows, and CI/CD-driven delivery.
- Applied JavaScript, TypeScript, HTML, CSS, React, unit testing, development and build tools, and CI/CD practices across day-to-day product delivery in a multi-product environment.

Self-employed | Senior Software Engineer

Remote | Feb 2023 - Aug 2023

- Designed and implemented a React Native health application that centralized patient health data, integrated third-party labs, and enabled patient-doctor communication.
- Built city-specific and event-specific mobile applications with a modular architecture that improved branding flexibility and user engagement.
- Delivered a scalable structure that junior developers could maintain cost-effectively with occasional consulting support.
- Increased code reuse and reduced delivery time while maintaining product quality.
- Worked across mobile product delivery, frontend engineering, and Node.js-backed integrations.
- Applied JavaScript, TypeScript, HTML, CSS, React, unit testing, development and build tools, and CI/CD practices across mobile product delivery, frontend engineering, and supporting integrations.

X-Team | Senior Software Engineer

Remote | Mar 2021 - Feb 2023

- Worked across multiple client projects as a Senior Software Engineer, delivering frontend and full-stack solutions with JavaScript, TypeScript, React, testing, and build tooling across different business domains.
- For KMF / XHQ, improved back-office invoicing systems and internal portals, while introducing backend improvements with Firebase and Node.js to streamline operations and improve performance.
- For Lemonlight, automated administrative processes through an auto-table generator, fixed critical bugs, and stabilized CI/CD workflows.
- Mentored team members on TypeScript best practices, supporting code quality and team growth across project teams.
- For X-Games, shipped a browser-based game and CLI audio tools, and designed cloud backup routines to improve reliability and recovery.
- For Beachbody, enhanced GraphQL-powered filters and calendar scheduling, and helped modernize the testing infrastructure.
- Applied JavaScript, TypeScript, HTML, CSS, React, unit testing, development and build tools, and CI/CD practices across multiple client projects in different product domains.

Luizalabs | Frontend Software Engineer

Brazil | Dec 2020 - Mar 2021

- Helped develop a digital marketplace product in a cross-functional environment with strong focus on frontend engineering using JavaScript, TypeScript, React, HTML, and CSS.
- Implemented a Micro Front-End architecture using Webpack Module Federation.
- Built and maintained a scalable component library to improve UI consistency and reuse.
- Produced instructional material on React best practices to support developer enablement.
- Applied Extreme Programming practices to strengthen collaboration and engineering quality.
- Applied JavaScript, TypeScript, HTML, CSS, React, unit testing, development and build tools, and CI/CD practices across frontend engineering in a large-scale product environment.

Zup Innovation | Frontend Software Engineer

Joinville Area, Brazil | Aug 2019 - Dec 2020

- Designed and implemented telemetry applications for fleet logistics with real-time visualizations using D3.js.
- Built frontend experiences that improved operational decision-making through clearer access to live data.
- Worked with backend teams on integrations and performance improvements, including caching strategies.
- Shared knowledge on functional programming and design patterns to strengthen team capability.
- Applied JavaScript, TypeScript, HTML, CSS, React, unit testing, development and build tools, and CI/CD practices across data-intensive frontend product delivery.

NG Informática - TOTVS Software Partner | Frontend Software Engineer

Joinville Area, Brazil | Sep 2018 - Aug 2019

- Built new frontend features for enterprise applications using React, JavaScript, TypeScript, HTML/CSS, and GraphQL.
- Helped modernize the development approach by adopting more scalable frontend patterns.
- Led a BDD initiative that established E2E testing with Cypress and improved application quality.
- Contributed in an environment that combined frontend delivery with Node.js-related product work.
- Applied JavaScript, TypeScript, HTML, CSS, React, unit testing, development and build tools, and CI/CD practices across enterprise frontend development and quality-focused delivery.

CoBlue OKR | Frontend Software Engineer

São Paulo Area, Brazil | Jun 2018 - Dec 2018

- Re-architected the main OKR application to improve performance and support scalability.
- Migrated critical parts of the product from Vue.js to React to improve maintainability and user experience.
- Helped evolve the frontend foundation of the product during a key transition period.
- Applied JavaScript, TypeScript, HTML, CSS, React, unit testing, development and build tools, and CI/CD practices across frontend modernization and scalable product delivery.

Self-Employed | Full-Stack Developer

Blumenau Area, Brazil | Jan 2018 - Jun 2018

- Developed a data visualization application with interactive graphs for SSBI analysis.
- Built the React frontend to improve data presentation and user experience.
- Built a Node.js backend with Firebase integration for efficient real-time data handling.
- Developed backend components for a credit cooperative system with a focus on secure data processing.
- Applied JavaScript, TypeScript, HTML, CSS, React, unit testing, development and build tools, and CI/CD practices across full-stack product delivery and data-driven application development.

Envolve Labs | Full-Stack Developer

Joinville Area, Brazil | Nov 2017 - Jun 2018

- Delivered a monitoring solution for refrigerated truck fleets with web and mobile applications.
- Built across Angular, Ionic, and Firebase in a full-stack product environment.
- Established a practical delivery structure that junior developers could maintain after launch, with consulting support for future enhancements.
- Applied JavaScript, TypeScript, HTML, CSS, React, unit testing, development and build tools, and CI/CD practices across web and mobile product delivery in a full-stack environment.

TOTVS | Software Developer

Joinville Area, Brazil | Feb 2017 - Oct 2017

- Contributed to the creation of a company-wide UI component library, THF, now PO UI, using Angular and TypeScript.
- Developed a VSCode extension for code snippets to improve developer workflow and productivity.
- Worked in a role that combined product engineering, frontend implementation, technical research, and Java-based systems.
- Applied JavaScript, TypeScript, HTML, CSS, React, unit testing, development and build tools, and CI/CD practices across product engineering, internal tooling, and frontend implementation.

Centro Universitário - Católica de Santa Catarina | Software Research Assistant

Jaraguá do Sul Area, Brazil | Aug 2015 - Aug 2017

- Developed BPMN 2.0 business process models using Camunda, Java, and AngularJS.
- Delivered presentations on Git, Arduino, and LaTeX to support team learning and execution.
- Built early experience with Java-based systems, process modeling, and technical communication.
- Applied Java, Javascript, HTML, CSS, React, unit testing, development and build tools, and CI/CD practices across software-oriented research, process modeling, and technical delivery.

EDUCATION

- **Postgraduate Degree, Education** - Pontifícia Universidade Católica do Rio Grande do Sul (Aug 2022 - Jul 2023)
- **Bachelor's Degree in Information Systems** - Centro Universitário Católica de Santa Catarina (2015 - 2018)
- **Network Technician** - SENAI/SC (2013 - 2014)