



# Pedro Knup Senior Software Engineer

I'm a Software Engineer with nearly a decade of hands-on experience in web development, specializing in JavaScript technologies like **React**, **Node.js**, and **Vue.js**. My passion for creating engaging, user-friendly applications drives me to stay on the cutting edge of front-end and back-end development.

Over the years, I've built a diverse skill set that spans everything from crafting **seamless interfaces** and **IoT** to **managing databases** and navigating **DevOps**. I love turning complex problems into simple, efficient solutions while keeping the user experience front and center.

I thrive in team environments where **collaboration** and **creativity** are valued. Whether mentoring others or working alongside teammates, I enjoy **sharing knowledge**, **tackling challenges**, and **continuously learning** to improve my craft.

I am currently looking for a challenging and exciting position where I can contribute with my technical, social and creative skills.



Online Portfolio

## > Contact

phknup@gmail.com  
Based in Amersfoort, NL

## > Skills

### FRONT-END

- React.js & Next.js
- Vue
- LitJS
- Build Tools (webpack, rollup, Vite)
- Interactive Web Apps (GSAP, Pixi.js, Three.js)

### BACK-END

- Node.js
  - Python
  - .net
- ### MOBILE
- React Native
  - Flutter
  - Native iOS & Android

### DATABASE

- Relational (PostgreSQL, MySQL, MSSQL)
- Non-relational (MongoDB, Firebase)

### CLOUD

- Azure DevOps
- Google Cloud Platform
- AWS

## > Soft Skills

- Team player
- Leader
- Social
- Screative
- Eye for design

## > Languages

- Portuguese (BR) **NATIVE**
- English **ADVANCED**
- Spanish **INTERMEDIARY**
- Italian **BEGINNER**
- Dutch **ELEMENTARY**

## Professional Experiences

### Senior Software Engineer Rabobank (via FrontValue) Sep/2023 – Now

Developing and maintaining a complex React and Node.js developer portal using Spotify's Backstage framework to eventually replace the organization's countless portals. Responsible for full-stack development, DevOps tasks, and feature design. Ensure consistency across the software catalog, deliver high-quality code, and mentor junior colleagues.

**Skills:** TypeScript · React.js · Node.js · Backstage · PostgreSQL · SQLite · Azure DevOps · CI/CD · Microsoft Power Automate · Unit Testing · Documentation · DevOps · Technical Mentoring · Software Architecture.

### Senior Front-end Developer Media.Monks Feb/2021 – Aug/2023

Responsible for complex web applications for Google and General Motors such as Chromebook Retail App, Google Cloud Chess, Youtube Brandcast and Pixel 6 launch. Emphasized code quality through reviews and pair programming. Contributed to back-end development with Python when needed. Actively engaged in client discussions and mentored medior and junior developers.

**Skills:** Front-end Development · Back-end Development · python · VueJS · ReactJS Lit.js · Angular.js · Node.js · GreenSock Animation Platform (GSAP) · Glue · Redux Scrum · TypeScript · Kubernetes · Mentorship.

### Back-end Developer CowManager B.V. Jul/2020 – Jan/2021

Responsible for maintaining and improving core web services and databases for agricultural monitoring systems. Implemented new features, troubleshoot issues, and collaborated with cross-functional teams using Scrum methodology.

**Skills:** Microsoft Azure · Vue.js · Scrum · Microsoft SQL Server · Entity Framework .NET Framework.

### Fullstack Developer Pycom Ltd. Oct/2019 – Jun/2020

Fullstack Developer at Pycom Ltd., an IoT technology company. Developed IoT dashboard and maintained Pymakr extension for VSCode and Atom. Led development of Pymakr 2 and Pymakr online, a web-based IDE for Pycom devices. Focused on Micro-Python-based solutions and cloud integrations.

**Skills:** ES6 · Webpack · Jest · Mocha (JS Framework) · Docker · GraphQL · Code editors plugin development (VSC and Atom) · React.js · Node.js · Scrum · MongoDB<sub>1/2</sub>

## Front-end Developer Intern Webbio B.V.

Mar/2019 – Oct/2019

The job that brought me to the Netherlands. At Webbio, I focused on developing React.js applications and ensuring high performance and SEO standards. I contributed significantly to the Blackfriday Nederland e-commerce portal, designed to handle high traffic while being blazing fast.

**Skills:** Redux · Swagger · Formik · ES6 · React.js · Scrum · TypeScript

## Fullstack Developer Clubpetro

Sep/2018 – Feb/2019

Fullstack Developer at Clubpetro, leading the complete rebuild of the company's primary product. Responsible for technology selection, database design, app layout, and web service development. Provided mentorship to colleagues throughout the project.

**Skills:** Vue.js · React.js · Scrum · Microsoft SQL Server · Entity Framework · .NET Framework · TypeScript

## Computer Engineering Intern Vale S.A.

Jan/2018 – Aug/2018

Developing web applications with .NET and VueJS. Created a smart Telegram bot for automated information delivery. Gained extensive experience with SQL Server, focusing on query optimization and database development.

**Skills:** Web Services · Node.js · HTML · Microsoft SQL Server · SQL

## Freelancer Developer Self Employed

Jan/2014 – Jan/2018

Freelance fullstack developer working on diverse projects including web, mobile, and Windows apps. Developed notable projects like "Estádio Sonoro" (interactive karaoke app), "SIHP" (hotel management system), and "Cabe+1" (carpool app). Responsibilities included architecting, designing, and developing applications, client negotiations, and problem-solving for legacy systems.

**Skills:** .NET Framework · Delphi · jQuery · Google Firebase · Xamarin · VanillaJS · Vue.js · Node.js · MySQL · Entity Framework · MongoDB

## IT Intern CEFET-MG

Oct/2019 – Jun/2020

Providing technical support to faculty and students. Responsible for maintaining and updating IT infrastructure. Developed a Redmine Server for internal use, enhancing project management and collaboration. Tasks included troubleshooting, resolving IT issues, and updating university IT infrastructure.

**Skills:** Network Administration · IT Hardware Support · Front-end Development · Scrum · Web Services

## Education

### Computer Engineering (dropped) Universidade Federal de Itajubá (UNIFEI)

Jan/2015 – Mar/2019

Dropped at my fifth and last year of graduation to pursue my dream to move to Europe, I studied Computer Engineering at UNIFEI, a top Brazilian engineering school. Actively involved in extracurricular activities including robotics team, programming marathons. Gained coaching experience as a Programming Logic and Algorithms & Data Structures support teacher, and participated in volunteer IT consulting (Junior enterprises) for local businesses.

### Computer Technician Integrated to Highschool CEFET-MG

Jan/2011 – Dec/2013

Completed Computer Technician program integrated with High School at CEFET-MG. Curriculum covered programming logic, data structures, databases, electronics, and electrical systems.

