# CHRISTOPHER VUNDI
## FULL-STACK SOFTWARE ENGINEER

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## PROFESSIONAL SUMMARY

Full-stack software developer with 7 years of experience in a professional setting. I thrive in collaborative, distributed teams and have a passion for solving complex problems. Outside of work, I enjoy blogging and spending quality time with family.

## TECHNOLOGIES

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| Back End | Elixir, Phoenix, PHP, Laravel, Ruby, Ruby on Rails |
| Front End | TypeScript, React, Vue.js, JQuery |
| Data Stores | MySQL, PostgreSQL, CouchDB, Redis, Cachex, ETS |
| DevOps | AWS, GCP, Docker |

## EXPERIENCE

Senior Software Engineer - Freelance | The Potential Project | Trenton - New Jersey          2024 JAN – PRESENT

*The Potential Project is an interactive augmented reality application focusing on the impact of violence in Trenton. I am the team lead and the sole backend developer for this community project. Below are some of the things I have done so far:*

- Engaged with various stakeholders to translate project requirements into actionable technical specifications.
- Established the backend foundation in terms of code organization and setting up quality checks.
- Set up the necessary infrastructure and deployed the desktop version of the app, empowering admins to manage uploads, assign user roles, and monitor content usage.
- Developed API endpoints to support mobile client interactions.
- Developed a notification system for large uploads delegated to a background job.
- Added telemetry and observability to the application to capture various metrics and logs.
- Technologies: Elixir, Phoenix, Liveview, Vanilla JS, Google Maps API, GCP

Senior Software Engineer | SalesRabbit | Lehi - Utah          2020 OCT – 2023 SEP

*SalesRabbit is the complete outside sales app. A sales enablement service and mobile CRM designed specifically for outside sales, including field sales and door-to-door sales.*

- Played a key role in architecting WebMap V1, a highly requested feature that enabled office managers to monitor field rep activity from the desktop browser.
- Played a pivotal role in building  Digital Contracts where sales representatives no longer have to work with physical papers to finalize contracts. Digital Contracts became a significant revenue driver for SalesRabbit, contributing nearly 30% of the company's total revenue during my tenure.
- Implemented a data warehousing BigQuery pipeline for analysis, enabling tracking of critical Digital Contracts KPIs within the company.

- Migrated critical PHP-based API endpoints to Elixir using OpenAPI Spec, improving system resilience and stabilizing the troubled lead sync service.
- Technologies: Elixir, Phoenix, Liveview, React, PHP, Laravel, Google Maps API, BigQuery

Software Engineer | SHOWCLIX | Pittsburgh, Pennsylvania          2018 APR – JUNE 2020

*Showclix provides full-service event ticketing and access control solutions to professional event organizers around the world.*

- Created an exchange platform allowing customers to exchange tickets autonomously, reducing call center volume by 70% and significantly decreasing manual email requests to customer care.
- Refactored our Stripe payments integration from the charges API to the Payment Intents API to ensure greater security for customers and regulatory compliance with Stripe payments.
- Created a background processes monitor, letting admin users know which background processes are running and each background process's status.
- Technologies: PHP, Symphony, Vanilla JS, React, JQuery

Software Developer | ZIPBOOKS | Salt Lake City - Utah          2017 – 2018

*ZipBooks is accounting software for small businesses. Some of the features that help with bookkeeping include financial reporting, core accounting, budgeting and forecasting.*

- Took part in rewriting ZipBooks API from PHP/Laravel to Elixir/Phoenix. Saved on CPU costs by around 30%.
- Built out the ability to do file imports and process different financial transactions from those files. These included but not limited to calculating expenses, categorizing transactions as well as getting owners equity.
- Built reporting and invoicing features to enable businesses to do better budgeting and forecasting.
- Technologies: Elixir, Ecto, Phoenix, Ember, PHP, Laravel

# PUBLICATIONS & AWARDS

MEDIUM | Building a Chuck Norris Joke App with GenServers in Elixir - Part 1      2025
- https://medium.com/@Vickris/building-a-chuck-norris-joke-app-with-genservers-in-elixir-part-1-00d48804d0d9

TWILIO | Create a Real-Time Polling App using Twilio Sync and Laravel PHP      2019
- https://www.twilio.com/blog/create-real-time-polling-app-using-twilio-sync-and-laravel-php

SEMAPHORE | Continuous Delivery of Laravel Applications to Heroku      2017
- https://semaphoreci.com/community/tutorials/continuous-delivery-of-laravel-applications-to-heroku

# ADDITIONAL ACTIVITIES

- Gave a talk at Elixirconf Africa 2023 on Elixir Streams.
- Was a volunteer at Teencode Africa teaching kids basic programming principles | Andela | Nairobi, Kenya     2017 – 2018

# PROFILES

LinkedIn:    https://www.linkedin.com/in/christopher-vundi-b9256154/
Blog:         https://chris-blog.gigalixirapp.com/
Github:     https://github.com/vickris