

Kenny Eduard Vercaemer

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PROFESSIONAL EXPERIENCE

Backend Engineer 10/2023 - 05/2024
JDiaz Business LLC *Remote*

- **Kubernetes, Docker, NestJS, TypeScript, PostgreSQL, PostGIS, Python**
- Designed data model and developed backend from scratch for upcoming social network in high-paced environment.
- Implemented performant user-location-aware search engine that is highly available.
- Implemented metrics and error monitoring resulting in more efficient bug triage-fix cycles.

Software Engineering Intern 06/2023 - 10/2023
Google LLC *Seattle, WA - US*

- **HTML, TypeScript, 3D, glTF, model-viewer, Java**
- Added support for 3D models in **Google Drive** ([glTF files](#)).
- Added interactive 3D model **visualization** in **Google Drive**.
- Collaborated across multi-functional teams for product delivery.
- Measured user interaction and error statistics for safe feature roll out.

Fullstack Engineer / Architecture Owner 02/2023 - 06/2023
Grupo Asesores RAM S.C. *Querétaro - MEXICO*

- **TypeScript, React, ExpressJS, PostgreSQL, AWS, CloudFormation, ElasticBeanstalk, IaC**
- Designed ERP system architecture from scratch for hundreds of users (~ 200).
- Implemented fully automated infrastructure management via **AWS CloudFormation**.
- Automated testing and deployments to multiple environments.

Fullstack Engineer 06/2022 - 12/2022
JDiaz Business LLC *Remote*

- **TypeScript, NestJS, Angular, TailwindCSS, Css, Python, PostgreSQL, Django, Stripe**
- Implemented ECommerce on **Dispute Panda** platform for hundreds of user transactions via **Stripe**.
- Analyzed and fixed web vulnerabilities by applying a threat model.
- Increased platform userbase by implementing support for different file formats for users to upload to the platform.

Software Engineering Intern 01/2022 - 04/2022
Meta Platforms, Inc (Formerly Facebook) *Remote*

- **HHVM, PHP, Python, Sql**
- Improved efficiency of data normalization pipeline by **15%**, measured by amount of entries out of date.
- Migrated un-maintained codebase from **Python** to a more performant **HHVM** implementation using modern development principles with automated testing.

EDUCATION AND QUALIFICATIONS

BCS / Computer Science Bachelor's 2020 - 2024
Monterrey Institute of Technology and Higher Education

PostgreSQL v16 Certified 01/2024
EDB

Scrum Fundamentals Certified 04/2022
SCRUMstudy

PROJECTS AND AWARDS

- 04/2022 - **ICPC Mexico, 10th place** (competitive programming)
- 04/2017 - **International Mathematics Competition India, 2nd & 3rd place**
- 12/2022 - [Self driving karts trained with reinforcement learning via C#, Unity, Machine Learning, ML-Agents](#)
- 02/2021 - [AVR programming; blinking, ADC, debouncing, etc. via C, Embedded](#)
- 07/2021 - [Hobby kernel development via C, Assembly, Qemu](#)
- 05/2022 - [Finite-state automaton expression lexer via Clojure](#)
- 02/2021 - [GUI native desktop application example via Rust, GTK](#)
- Hosted web pages, game servers, CI/CD pipelines, databases, load balancing via **AWS, GCP, Cloudflare**
- Vast experience with Linux systems: Automatization with scripts, firewalls, SSH, Docker.
- Find some of my writing on [my blog](#) or [my lowercase profile](#).