

# PAWEŁ WAL

## Hacker, Builder, Software Engineer

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## ABOUT ME

Almost two decades in engineering roles, with the last eight years in leadership and executive positions. I work at every level of abstraction, from debugging a function to envisioning the next big step in the product's lifecycle.

I experienced many aspects and styles of software development. I built backend and frontend, executed infrastructure projects and took care of DevOps work. I work well as an individual contributor, and as a leader.

I'm passionate about technology and products, aiming to inspire those who build them and delight those who enjoy them. That passion drives me ever onward, making me a self-starter and go-getter.

Strong-typing evangelist, data nerd, AI optimist. Excited to keep building.

## KEY SKILLS

- Currently working professionally with **Go** and **Ruby**, formerly **C**, **PHP**.
- A working understanding of **Rust**, **Python**, **TypeScript**.
- Strongest at **backend development** - APIs, REST, GraphQL, SQL, gRPC.
- Strong understanding of **DevOps** topics - Docker, IaC, Ansible, Terraform
- Solid knowledge of **CI/CD pipelines** - GitHub Actions, GitLab Runners, formerly Jenkins
- A decade of experience in the **public cloud** - primarily **AWS** (S3, ECS, RDS), journeyman's understanding of GCP and Azure.
- Some experience in **modern frontend** - TypeScript, React, Tailwind.
- Daily use of **Git**, understanding of Mercurial, SVN, CVS.
- **Excellent communication** with both technical and non-technical groups, facilitating cooperation between developers, business stakeholders, and customers.
- **Fluent** spoken and written **English**.

## TRIVIA

- Building **Vellum**, a copyleft personal wiki and content management system, with Go and Tailwind
- Built and ran **Planet Golang**, an unopinionated Go news aggregator.
- Co-founded **Occson**, a now-defunct Configuration-as-a-Service startup.
- Avid Dungeons & Dragons player, in love with the imaginative and cooperative nature of tabletop RPGs.

## EDUCATION

### AGH University of Science and Technology

MSc in Applied Computer Science, 2010-2015

- Awarded the **AGH Diamond** for cutting-edge work in high-power computing (massively parallel computation)
- Selected **Best Research in Computer Science** twice at the yearly Students' Research Groups Conferences
- Contributed extracurricular work to **research grant projects** at the Distributed and High-Power Computing faculty

## SELECT EXPERIENCE

### Lead Developer, Data Products

Measure Studio (formerly Paladin Software, Jun 2020 - present)

Measure Studio is a fine-grained analytics and reporting SaaS for multiple social media platforms. Initially a product at Paladin Software, it was spun off in 2021.

- **Employee #1** post-spin off from Paladin Software, responsible for the entire tech stack powering the data services for the business, reporting to the CEO
- Influenced company's long term technology strategy since day 1
- Created solutions for complex data challenges with **Go**, **Ruby** and **Python**
- Successfully **introduced Go** to a Ruby-only shop as a solution to significant scaling, accuracy and speed issues
- Built and oversaw ingest from social media APIs (**REST**, **GraphQL**), exposed data to SaaS frontend via a RESTful API
- Delivered key results on top of databases and stores such as **MySQL**, **PostgreSQL**, **ClickHouse**, **Redis**, **ElasticSearch/OpenSearch**
- Designed, built, and maintained **Infrastructure-as-Code** on top of **AWS CDK** and **Go**, facilitating transition from Heroku to AWS, saving on cost and extending runway
- Worked with services from **AWS**, **GCP**, **Azure**
- Integrated with **computer vision**, **speech recognition**, **LLM** solutions from **OpenAI**, **AWS**, **Google**, **Microsoft** and self-hosted models
- Expanded the team, taking charge of **hiring**, **training**, and **supervising engineers**

### Technical Lead/Engineering Manager

The Codest (Oct 2016 - May 2020)

The Codest is a software house, building software products and deploying engineering teams for global customers.

- Part of Codest's Strategic Group, creating and executing a wide-ranging vision of the company's growth and profitability
- Created the architectural and conceptual basis for long-term strategic projects for our customers
- Imagined and executed on the technical vision for these projects, bringing them to life in close collaboration with the customer
- Staying in touch with key stakeholders
- Building software with a range of technologies, including Ruby and Ruby on Rails, React, Expo and more
- Deploying with **AWS**, **Docker**, **Ansible**, including creating custom solutions on top of **AWS**
- Overseeing the deployment pipeline, using **Jenkins**, **Semaphore**, **CircleCI**, **GitHub** and more

### Full Stack Developer (Ruby)

Made On Moon (Oct. 2014 - Sep. 2016)

Made On Moon is a small custom software development outfit.

- Building bespoke software for the software house's various clients
- Designing whole systems from scratch in close collaboration with key stakeholders