

Antonio Vallez

Full-Stack Software Engineer

● Currently Employed

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Howdy?
Looking for a developer? I adapt to whatever stack you use

Full-stack software engineer who picks up new languages and tools quickly. Today that means MVC web applications, AASHTOWare Project support through its OpenAPI, and ActiveReports reporting. Whether it's JavaScript, C#, Python or Lua, the fundamentals carry over.

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Case studies

3 projects

> These are applications I've built from scratch at work. The systems belong to my employer, so I describe what each one does and my part in it, without code or screenshots.

2023 – present

Solo developer

Modern web apps from legacy tools

State government agency

GOAL Move work out of Microsoft Access and Web Forms into modern web applications.

WHAT I BUILT End to end, on my own: forms, record lookups, approval tracking and data management in ASP.NET MVC, plus tools that let staff work with other systems from one place.

RESULT Used every day by staff and the public, with fewer manual steps.

C# / ASP.NET MVC · SQL Server · JavaScript / jQuery · HTML / CSS / Bootstrap

2023 – present

Solo developer, with staff input

AASHTOWare Project support

State government agency

GOAL — Make AASHTOWare Project easier to work with, connect and report on.

WHAT I BUILT — An MVC application and other tools on its OpenAPI, Power BI dashboards, and ActiveReports report templates.

RESULT — Staff use them daily, and manual steps are down.

`AASHTOWare Project OpenAPI` `ActiveReports (.rpx section reports)` `Power BI`

2023 – present

Solo developer, with staff input

ActiveReports reporting

State government agency

GOAL — Build the reports staff request.

WHAT I BUILT — On-demand ActiveReports section reports for AASHTOWare Project and my MVC applications.

RESULT — Used daily: faster answers, fewer manual steps, and still being improved.

`ActiveReports section reports (.rpx)`

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Stack

years of use

LANGUAGES		FRAMEWORKS AND TOOLS		DATA AND PLATFORMS	
C#	3 yrs	ASP.NET MVC	3 yrs	SQL Server	3 yrs
JavaScript	11 yrs · 3 pro	ASP.NET Web Forms	3 yrs	AASHTOWare Project OpenAPI	3 yrs
Python	11 yrs	ActiveReports	3 yrs	GitHub	11 yrs
SQL	3 yrs	Power BI	3 yrs		
HTML / CSS	11 yrs · 3 pro	jQuery	11 yrs · 3 pro		
		Bootstrap	11 yrs · 3 pro		

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Experience

Professional

Paid roles, from newest to oldest.

7a4e402 HEAD → current Jan 2023 – present New York, NY · Hybrid

Senior Application Developer · State Department of Services

Lead a five-person team modernizing public-facing services.

- Moved permit applications online while keeping the legacy system running
- Cut p95 API latency by 45% through query and caching work
- Run weekly code-review sessions for junior engineers

21d2f2b Jun 2020 – Dec 2022 Remote

Software Engineer · Brightpath Health

Built patient scheduling and messaging features used by 12 clinics.

- Introduced end-to-end testing, catching 30+ regressions before release
- Owned the on-call rotation and incident write-ups

915a789 Jul 2019 – May 2020 Brooklyn, NY

Junior Developer · Studio Cobalt

Shipped marketing sites and internal tools for agency clients, mostly in React and Node.

400666a Summer 2018 Internship

Software Engineering Intern · Metro Transit Data

Built a dashboard that tracked bus arrival accuracy across 40 routes.

Personal

Freelance work, volunteering and things I build on my own time.

0a13139 HEAD → current 2021 – present Part-time

Freelance Web Developer · Local small businesses

Build and maintain websites and booking tools for neighborhood businesses.

- Six client sites, including a bakery and a barbershop
- Set up online booking that replaced phone-only appointments

9ab5dd2 2022 – present Volunteer

Volunteer Developer · Civic tech meetup

Help nonprofits with small tools, like a food-pantry inventory tracker used by 15 volunteers.

36c40a9 Spring 2023 Hackathon

Best Civic Impact · City Hackathon

Built a prototype that shows wait times at city service centers, with a team of three in 36 hours.

7243380 2022 Side project

Budget Buddy · Personal app

A small budgeting app I built to learn React Native. Used daily by me and a few friends.

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Education

degrees · certifications

Degree — 2015 – 2019

B.S. Computer Science

State University · New York, NY

Minor in Mathematics. GPA 3.7. Focus on distributed systems and databases.

- Teaching assistant, Data Structures (2 semesters)
- Senior capstone: real-time campus shuttle tracker
- Vice president, Computer Science Club

Certification — 2024

Azure Developer Associate

Microsoft

Building, securing and deploying cloud applications on Azure.

Course — 2022

Machine Learning Specialization

Online program · Coursera

Supervised learning, neural networks and recommender systems in Python.

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About me

I got into programming by automating a spreadsheet at my first part-time job, and I still enjoy the moment when a tedious task disappears.

These days I care most about developer experience, readable code reviews, and products that respect people's time. I like building tools that make government services simpler for residents and staff, and I'm happiest on small teams where I can work across the whole stack.

Outside of work I contribute to open source, mentor new developers, play guitar badly, and spend too long tuning my editor setup.

location	New York, NY
timezone	UTC-4
languages	English, Spanish
work style	Remote or hybrid
looking for	Senior / Lead roles
editor	Neovim

WHAT I VALUE

Clear writing, small pull requests, and shipping something real every week.

CURRENTLY LEARNING

Rust, and how to design APIs that are hard to misuse.

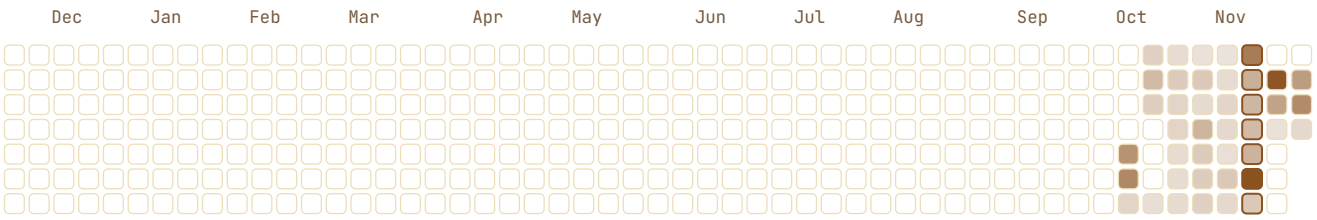
OFF THE KEYBOARD

Long bike rides, cooking for friends, and pickup soccer on weekends.

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GitHub activity

last 12 months · github.com/NekoTony



1,033 contributions in the last 12 months

Most impactful week: Nov 8–14, 2026 · 328 contributions

None Most