

James Alavosus

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Education

YESHIVA UNIVERSITY

B.S, BUSINESS INTELLIGENCE AND
MARKETING ANALYTICS

📅 2020

Skills

PROGRAMMING LANGUAGES

- Go
- JavaScript, Node.JS
- TypeScript
- Python
- Bash/Shell
- HTML/CSS

INFRASTRUCTURE

- Docker, Kubernetes, Terraform, Helm
- Google Cloud Compute [Kubernetes Engine, PubSub, Compute Engine]
- Amazon Web Services [EC2, EKS, Route53, Certificate Service]
- Vercel [svelte-kit, Next.js]

DATABASES

- PostgreSQL
- Redis/ValKey
- ClickHouse
- ElasticSearch
- MongoDB
- MySQL
- Cassandra

FRAMEWORKS

- React, Next.js (JS, Typescript)
- Svelte, svelte-kit (JS, Typescript)
- GraphQL (JS, Typescript, Go)
- Gin (Go)
- Tailwind CSS

Hobbies

- Competitive Fencing
- Bass guitar (playing, repair, setups)
- Hardware tinkering (soldering, DIY)
- Locksport

Experience

FREELANCE SOFTWARE ENGINEER

📅 August 2023 – Present

📍 Brooklyn, NY

- Contributions to open source software projects
- Built and currently maintain a serverless Go backend for transferring conversion goal data from Matomo to Excel spreadsheets for client use
- Management of Google Ads campaigns for sub-clients
- Curating custom dashboards for at-a-glance goal tracking data in Matomo (GA4 alternative), and custom reports providing consolidated information on user entry, time to goals, ad campaign conversions

FULL-STACK SOFTWARE ENGINEER

REVV

📅 October 2022 – June 2023

📍 New York, NY

- Built and contributed to features and pages in a Next.js frontend which enabled customers to easily browse available vehicle listings and make bids on them
- Built and contributed to features and pages in a svelte-kit frontend which enabled customers to list for sale and input all relevant data for their used vehicles
- Utilized Vercel's serverless architecture to build endpoints for interacting with Prisma.js-wrapped PostgreSQL and other parts of infrastructure
- Built worker endpoints and CRON jobs for entity and state management using Cloudflare Workers

FULL-STACK SOFTWARE ENGINEER

XPLOR, INC.

📅 April 2019 – July 2022

📍 Cambridge, MA

- Built and maintained the original TypeScript SDK for programmatic and web3 interaction with deployed Synapse cross-chain bridge Ethereum smart contracts on multiple Ethereum-based blockchains
- Built and maintained a multi-chain-enabled Go monitoring service for blockchain event logs emitted by Synapse cross-chain bridge smart contracts, enabling immediate alerts and remedies for rare issues with the bridge
- Built and maintained the NodeJS-based GraphQL backend for entropy.rocks using Express.js, deployed on Kubernetes, contributed to features and pages on the Next.JS-based frontend.
- Built and maintained the Go-based, Kubernetes-native microservice architecture used by entropy.rocks, including data insertion and transformation in HA production databases, enabling sub-millisecond querying of terabytes of Bitcoin blockchain data

SOFTWARE ENGINEER

MATRIX CAPITAL MANAGEMENT

📅 January 2017 – April 2019

📍 Waltham, MA

- Built out and maintained the AWS architecture and express.js-based GraphQL backend used by Matrix's React-based internal research portal, along with contributions to the portal itself
- Worked with vendors to sanitize and consolidate trading data for the fund