

Professional Experience

Waves , New York, NY Software Engineer	December 2024 – Current
<ul style="list-style-type: none">Created AI enabled agentic SMB Data Platform and CRM integrated with in-app email client through gmailBuilt high-performance geographic filtering feature using MapLibre GL, parquet, PostGIS, and PMTiles hosted on S3 with CDNEngineered comprehensive ELT data pipeline using playwright, jupyter/python, DuckDB, SQL, Prefect	
Ecobricks.ai , New York, NY Software Engineer	September 2024 – November 2024
<ul style="list-style-type: none">Built AI-agent based workflow automation tool that takes context from report templates filled in by users, supporting documents, and outputting complex reports using structured outputs to match wanted structureCrafted sustainable finance transaction management system with dashboard, data visualizations, filtering, sorting, pagination, and searchCreated no-code report template form builder with drag and drop sections and fields supporting 12 different field types with tooltips, context to feed to AI report generation agents, and custom validations by field	
ProSights (YC W24) , New York, NY Software Engineer	June 2024 – September 2024
<ul style="list-style-type: none">Developed multitenant RBAC enterprise-grade SSR authentication system for private VPC, managed VPC, and cloud platformRebuilt entire file synchronization task processing and message queue system from bullmq to celery responsible for file sync jobs of up to 250,000 files, resulting in faster processing speeds and more reliable AI and OCR pipelinesProgrammed analytics system using a server proxy to evade adblockers and track usage of the platform for product teamCoded comprehensive multi-level dynamic version control system with semantic search for user documents	
Stealth , Remote, New York, NY Software Engineer	September 2023 – June 2024
<ul style="list-style-type: none">Architected a componentized modular monolith inspired by Shopify and based on domain driven designDocumented all endpoints for OpenAPI schema, implemented fully typed and generated query / mutation hooks, and validation schemas ensuring the backend and frontend are synchronized at build timeDeployed 9 services using container orchestration with replication, failover, multi-server networking, and firewall configuration including backend API, reverse proxy, load balancer, task queue, message broker, cache, scheduler, and observabilityBuilt real time support ticketing system with multiple user types, status updates, and live chat	
Modernbanc (YC W20) , Remote, New York, NY Software Engineer	September 2022 – September 2023
<ul style="list-style-type: none">Configured cloud devops on Google Cloud Platform, networking stack, and CI/CD pipelines to be in compliance with over 600+ tests for PCI-DSS, SOC-2, and pentestingEngineered and tested full stack features and served as developer advocate by redesigning the landing page, developing documentation, tutorials and expert technical support enhancing product adoption and client successImplemented robust error message tracing with user-friendly transformations formats across hundreds of API routes	

Projects & Hackathons

Projects: Supachat, Twitter Clone, Contractory, EBB, FOCUS
Hackathons: SCSP.ai Hackathon Washington DC, ETHNewYork – guidl (1 st place), Mancala Artificial Intelligence Hackathon – Silver State Algorithm (1 st place of 150), IU Startup Competition (2 nd place) - Multiversity, HackHouseNYC – zebra (2 nd Place), Product Feature Design for MindBody – 1 st place, Product Feature Design for Realtor.com – 1 st Place, RBS NJC4 Strategy Case Comp (1 st Place)

Technical Skills

Languages: TypeScript, Python, JavaScript, Java, C, Go, Swift, R, Solidity, Dart
Backend: Node, Django, FastAPI, NestJS, Flutter, Spring Boot, Celery, RabbitMQ, Pydantic, Django-Ninja, Django Rest Framework, GraphQL, StrawberryQL, BullMQ
Frontend: NextJS, React, tRPC, DrizzleORM, React-Query, tanstack libraries, Redux Toolkit Query, React-Hook-Form, MobX, Formik, Zod, Yup, Material UI, Shadcn, Chakra UI, Bootstrap, React-Bootstrap, JSON, CSS, SCSS, Sass, HTML, Markdown, MDX, LaTeX, KaTeX, Tailwindcss, XML, styled-components, Storybook, Jest, Cypress, Playwright, Redux-Persist, MapLibreQL, OSM
DevOps: GCP, AWS, S3, SES, Hetzner Cloud, Docker, Swarm Mode, Kubernetes (k8s), Terraform, Traefik, Vercel, GitLab, CI/CD pipelines and runners, Github Actions, SSH, Doppler, networking, firewalls, version control, Git, cloud-init, CDN, Cloudflare, DNS
Databases: SQL, PostgreSQL, Microsoft SQL Server, SQLite, Supabase, Redis, PostGIS, PGVector, DuckDB, MindsDB
Other: Linux, VSCode, Linear, Jira, OpenAPI, Swagger, Postman, husky, numpy, matplotlib, pandas, seaborn, beautifulsoup, brownie, wagmi, junit, selenium, OAuth, monorepo, system design, web scraping, ETL, automation, cache, linting, testing, package management
Design: Agile (Scrum), Sprints, Figma, Wireframing, Prototyping, User Research, Usability Testing, UX/UI, Kanban
Business: Financial Modeling, Presentations, Salesforce CRM, Bloomberg Terminal, Excel, Sales B2B/B2C, Negotiations

Education

Indiana University , Bloomington, IN Bachelor of Science in Computer Science	May 2022 GPA: 3.67/4.00	County College of Morris , Randolph, NJ Associate of Science in Business	May 2018 GPA: 3.86/4.00
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