

DANIEL CHRISTOPHER

Full Stack Developer

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EXPERIENCE

DevOps Engineer

Green Threads 05/2025 - Present Remote

- Contracted for the **U.S. Department of Veterans Affairs**, building and automating cloud workflows on **Azure** and **AWS** to support mission-critical applications.
- Architected scalable, fault-tolerant pipelines, implemented **CI/CD**, and standardized deployments with **Terraform** across distributed environments.
- Deployed and maintained **Azure Function Apps** and **automation runbooks**, streamlining serverless workflows.
- Monitored and analyzed Azure **logs** and **metrics** to ensure high system reliability and performance.

Senior Full Stack Developer

Vartech 01/2024 - 05/2025 Remote

- Contracted for **Caterpillar Inc.**, architecting and implementing enterprise-scale data pipelines for supply chain management, handling millions of system-wide events per day with high reliability, fault tolerance, and real-time availability for downstream systems.
- Contracted for the **U.S. Department of Homeland Security**, designing and building enterprise-grade **Spring Boot** backend services and **ReactJS** frontends, ensuring scalable, secure, and maintainable internal applications for mission-critical workflows.

Senior Full Stack Developer

Independent Consultant 09/2021 - 12/2023 Remote

- Consulted **GloGreen**, transitioning their architecture to **Holochain** for a decentralized accounting layer.
- Built and co-led a team at Flowell, a Web3 startup; developed a **React Native** app and an in-house **Web3** game engine.
- Developed and deployed a **Solidity** token contract for a stealth Web3 client, enabling a token-gated marketplace with client-side minting in **ethers.js / Next.js**.
- Advised Elevar, an AI healthcare startup in Mexico: redesigned architecture to cut 50% of code, led hiring and onboarding, optimized Scrum, and developed a large-scale **React** app.
- Consulted for multiple clients, building and maintaining production-grade **React** apps and managing large **monorepo** architectures with **Turborepo**, **Lerna**, and **Yarn Workspaces**.

Full Stack Developer

Plank Labs 04/2019 - 09/2021 Bangalore, India (On Site)

- Developed 10+ high-throughput, event-driven **microservices** using **Spring Boot**, **Spring Cloud Stream**, **Cassandra**, and **Kafka**, capable of processing millions of messages per day.
- Built native iOS (**Swift/SwiftUI**) and Android (**Kotlin/Jetpack Compose**) apps for a private media client, integrating with backend services and **CQRS**-based architectures.
- Built a **federated feeds system** using **ActivityPub** and a **custom Mastodon fork**, powering a private client community.
- Led a team of 5 mobile developers, coordinating cross-platform development and **CI/CD** pipelines, delivering production-ready systems and demos to high-profile media stakeholders.
- Managed a large multi-module **Bazel build system**, optimizing build times, release reliability, and developer productivity across distributed development workflows.

SUMMARY

Full stack developer with 10+ years of experience building **mobile** and **web** applications, **backend** systems, and **Web3** platforms. Systems thinker who designs end-to-end production architectures at scale.

LANGUAGES

Java / Kotlin	Native	██████
JS / TS	Native	██████
HTML / CSS	Native	██████
Python	Native	██████
Go	Advanced	███████..
Rust	Advanced	███████..
C++	Advanced	███████..
Solidity	Advanced	███████..

PROJECTS

NXTBEAT

2025 Washington, DC

<https://nxtbeatapp.live>

- Single-handedly shipping a **React Native** app enabling music producers to network.
- Building a **fully decentralized P2P architecture** using **Hypercore** and **Hyperswarm**, enabling networking without central servers.

SKILLS

Mobile Skills

React Native • **Expo** • **iOS SDK** • **UIKit / SwiftUI** •

CoreData • **AVFoundation** • **Secure Enclave** •

Background Services • **Push Notifications** •

Low Energy Bluetooth • **Rest APIs** • **Websockets** •

Android SDK / NDK • **Android Lifecycle** •

Android Media APIs • **Architecture Components** •

Jetpack Compose • **Dependency Injection** •

Clean Architecture • **Multi Module Builds** • **MVP** •

MVVM

EXPERIENCE

Software Developer (Intern)

Holo.Host 09/2018 - 01/2019 Denver, Colorado (On Site)

- Collaborated with the [Holo](#) team and founders, providing early developer feedback on [Holochain](#) libraries while developing an experimental mobile light client bridge for Junto.
- Designed an experimental peer-to-peer semantic search engine leveraging agent-centric architecture, influencing ideas that later evolved into [Coasys](#).

Co-Founder & CTO

Junto Foundation 09/2016 - 01/2019 NYC (On Site)

- Co-founded the first mobile app powered by [Holochain](#), raised seed funding and a successful [Kickstarter](#), which grew into a global community of thousands.
- [Website](#) (Now Flux Social)

Data Engineer (Intern)

Censible 05/2016 - 09/2016 Remote

- Built an internal ESG data pipeline in Python ([NLTK](#), [NumPy](#), [pandas](#), [BeautifulSoup](#), [Requests](#)) to scrape, process, and personalize stock market data, ensuring continuous updates and high data integrity for internal analytics.

Founder & Developer

Solvely 01/2016 - 10/2016 Washington, DC

- Shipped a #8 U.S. App Store [iOS app](#) (Education), drove viral growth via Twitter, built and scaled a Tornado server for thousands of requests per minute, and developed a Python NLP/AI pipeline ([spaCy](#), [NLTK](#), [NumPy](#), [Word2Vec](#)) with optimized pattern matching and feature extraction.
- Featured on the front page of [Product Hunt](#)

Lead Mobile Developer

Baas Bikes 06/2015 - 05/2017 Washington DC (On Site)

- Led [iOS/Android](#) development for a P2P transportation startup, integrating custom Bluetooth hardware and [BLE APIs](#) for real-time device communication.
- Provided ongoing consulting and maintenance for years post-launch.

Co-Founder & Developer

IcyLabs, LLC 2014 - 2016 Washington, DC

- Co-developed custom e-commerce automation software adopted by [Yeezy Mafia](#), a platform with millions of social media followers.
- Built automation scripts that evolved into [ElevateAIO](#), a widely used reseller product, demonstrating event-driven, high-throughput task orchestration across distributed workflows.

SKILLS

Web Skills

[HTML](#) • [CSS](#) • [SCSS](#) • [React](#) • [NextJS](#) • [VueJS](#) •
[Tailwind](#) • [Styled Components](#) • [AngularJS](#) •
[TypeScript](#) • [NPM Package Development](#) •
[Turborepo](#) • [Lerna](#) • [JS Monorepos](#)

Web3 Skills

[P2P Apps](#) • [Libp2p](#) • [IPFS](#) • [Nostr](#) • [Holochain](#) •
[Hypercore](#) • [Hyperswarm](#) • [CometBFT](#) •
[Smart Contract Development](#) • [ZK Roll Ups](#) •
[Merkle Trees](#) • [Stateless Clients](#) • [WebRTC](#) •
[WebAssembly](#) • [ethers.JS](#) • [Activity Pub](#)

Backend Skills

[Microservices](#) • [Kafka](#) • [Kappa Architecture](#) •
[CQRS Pattern](#) • [Domain Driven Design](#) •
[Distributed Systems](#) • [Actor Model](#) • [Elasticsearch](#) •
[Mmapped stores](#) • [Spring Boot](#) • [NodeJS](#) • [NestJS](#) •
[Go\(Gin\)](#) • [Python \(Django & Tornado\)](#) • [NLP](#) •

Web Scraping

Database Skills

[Postgres](#) • [Redis](#) • [DynamoDB](#) • [LMDB](#) • [RocksDB](#)

DevOps Skills

[CI/CD Pipelines](#) • [GH Actions](#) • [Terraform](#) • [Docker](#) •
[Kubernetes](#) • [AWS](#) • [Azure](#) • [Logging & Monitoring](#) •
[Horizontal & Vertical Scaling](#)

Other Skills

[Team Leadership](#) • [Scrum Management](#) •
[Recruitment](#) • [Interviewing](#) • [Product Research](#)

INTERESTS

Web3 & Blockchain: Exploring ZK-SNARKs, stateless blockchain clients, mobile rollups, and application-specific chains; actively developing an L1 solution and researching architectures like Holochain, Holepunch/Hyperswarm, and Nostr.