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www.mantisdata.solutions/
(Company)
github.com/MantisClone (Portfolio)
x.com/MantisClone (Personal)

Top Skills

Payments
GitHub
GitHub Copilot

Languages

English (Native or Bilingual)

Honors-Awards

Copper BRAVO Award
Performance Recognition Award
Team Member of the Month
Bronze BRAVO Award

David Hunt-Mateo

Senior Blockchain Engineer at Request Network
Greater Cleveland

Summary

I'm a Senior Software Developer / Contractor / Freelancer known as "MantisClone" online, with 12 years of experience building high-quality software products. I specialize in blockchain and web3-related technologies.

Languages: TypeScript, JavaScript, Solidity, Python, Rust

Skills: Next.js, Nest.js, React, Node.js, viem, wagmi, ethers.js, web3.py, The Graph, Hardhat, Etherscan, Docker

Interests: Identity, Privacy, Data Ownership, DeFi

Effective software architect and technical leader.

Lead through clear communication and generous teamwork.

Deliver elegant solutions with a pragmatic approach.

Break down silos and advocate cross-training.

Work smart and spend spare time with family.

Remote work only.

Experience

Request Network

Senior Blockchain Engineer

November 2022 - Present (3 years 3 months)

- Improve and maintain all technical aspects of Request Network: the protocol for requests, payments, and 100% automated reconciliation.
- Review and approve all development, releases, and deployments including SDKs, APIs, and apps.
- Architect and enforce processes for development, devops, and quality control.
- Foster ecosystem of financial apps built on Request Network.
- Manage tech team backlog and sprints.
- Evaluate technical feasibility of grant submissions

Mantis Data Solutions

President

March 2021 - Present (4 years 11 months)

Greater Cleveland

- Execute operational workflows with 100% on-chain revenue
- Implement accounting and tax compliance best practices.

Opolis

4 years 11 months

Ambassador

October 2022 - Present (3 years 4 months)

- Educate people about the benefits, tax compliance, and shared services offered by @Opolis

Employee Member

March 2021 - Present (4 years 11 months)

- Opolis provides Benefits, Payroll and Shared Services for independent workers.

BanklessDAO

4 years 9 months

Member

May 2021 - Present (4 years 9 months)

- Configure and maintain the BanklessDAO snapshot strategy for governance using BANK tokens

Website Project Champion

November 2022 - July 2025 (2 years 9 months)

- Oversee improvements and maintenance of the BanklessDAO website

Ocean Protocol

1 year 9 months

OceanDAO Contributor and Grantee

June 2022 - November 2022 (6 months)

- Upgraded Ocean Protocol backend to allow publishing assets stored in Arweave decentralized storage
- Developed a microservice that downloads files from IPFS and uploads them to Arweave using Bundlr

Senior Blockchain Developer

March 2021 - June 2022 (1 year 4 months)

- Maintained ocean.py python SDK, Aquarius event cache, and Provider data access proxy
- Developed features and tests for Ocean ONDA V4

talentDAO

Blockchain Consultant

June 2022 - November 2022 (6 months)

- Researched reputation and identity systems
- Investigated reputation-based governance using Orange Protocol.
- Deployed and maintained SourceCred and Praise servers to track community reputation

Snapshot Labs

Snapshot Strategist

June 2022 - November 2022 (6 months)

- Developed novel voting strategies for Arrakis Finance, H2O stablecoin, Rari Fuse, and Fight Club.

Think-A-Move

3 years

Senior Software Engineer - Speech Recognition

September 2020 - December 2020 (4 months)

Beachwood, Ohio, United States

- Oversaw and reviewed speech recognition engine feature development, written in C++.
- Advocated engineering best practices that increased development team velocity.
- Developed Android PoC to showcase ASR and NLU capabilities using Kotlin, Coroutines, Flows, and Jetpack components (Lifecycle, Navigation, Databinding, Material).

Software Engineer - Speech Recognition

January 2018 - August 2020 (2 years 8 months)

Beachwood, Ohio, United States

- Developed cross-platform, on-device, noise-robust speech recognition library.
- Architected CMake build. Compatible with x86, ARM, 32 or 64-bit, Linux, Android, or Windows.
- Reduced memory footprint by 30% and build time by an estimated 25%.
- Developed CLIs, Native Android, and JavaFX apps to demonstrate speech recognition capability.

- Developed requirements, estimates, proposals, documentation, and marketing collateral.
- Created CI pipeline using Docker and Bitbucket Pipelines.
- Maintained foreign function interface (FFI) bindings.
- Implemented Natural Language Understanding (NLU) features using semantic parsing.
- Oversaw IT infrastructure and security from early 2018 to mid-2019.
- Collaborated with 9 other companies to design a body-worn hyper enabled operator (HEO) proof-of-concept with a highly modular architecture, capable of gesture and voice control of a drone or radio, gesture-controlled map way points, object recognition, RF classification, audio/video feed sharing and time stamping, secure communications using TLS, text-to-speech alerts, speech transcription logging, and audio source selection.

Northrop Grumman Corporation

3 years 7 months

Software Engineer and System Integrator

September 2016 - December 2017 (1 year 4 months)

Colorado Springs, Colorado, United States

- Developed and executed software integration plan for mission-critical GUI written in C++.
- Fostered best practices for Red Hat Developer Toolset 3, especially Valgrind and Eclipse CDT.
- Developed and executed automated migration to IBM Rational Rhapsody as team's UML tool.
- Received Bronze BRAVO Award - Rhapsody migration saved over 1000 hours of manual effort.

Professional Development Program - Multi-Spectral Solutions Rotation

February 2016 - August 2016 (7 months)

Rolling Meadows, Illinois, United States

- Researched and implemented Time-Sensitive Network (TSN) technologies.
- Wrote Audio Video Bridge (AVB) to TCP/IP Converter using C++, OpenAVB, and Qt.
- Developed fixed-point VHDL models, verified using fixed and floating-point MATLAB models.

Professional Development Program - Verification and Validation Tools Rotation

July 2015 - January 2016 (7 months)

Rolling Meadows, Illinois, United States

- Designed JavaFX GUI to decode and display packed and dynamically formatted serial data.
- Worked on hardware emulator that allowed OFP developers to test without real hardware.

Professional Development Program - FPGA and Digital Technology Rotation

October 2014 - June 2015 (9 months)

Rolling Meadows, Illinois, United States

- Designed and oversaw construction of test fixtures for image processor circuit card assemblies.
- Investigated video processing anomalies using Tektronix Logic Analyzer.
- Wrote tests in C for mem monitor & I2C bus IP cores, clock synthesizer & power controller chips.

Professional Development Program - Embedded Software Rotation

June 2014 - October 2014 (5 months)

Rolling Meadows, Illinois, United States

- Integrated new sensor capability into embedded operational flight program (OFP) written in C.
- Monitored system stability using Wireshark from inside the test plane during flight test.
- Received performance recognition award for on-time delivery despite compressed schedule.

Rockwell Automation

Embedded Software Co-op

January 2013 - August 2013 (8 months)

Mayfield Heights, Ohio, United States

- Developed VxWorks board support package (BSP) features in C++ for 1756 ControlLogix PLC.
- Led agile, multi-discipline team to build a career fair demo showcasing RA product capability.
- Wrote unit tests with 100% code coverage in C++ using CMake, CppUnit, GCov, and LCov.

Four Lakes Technology, LLC

Embedded Software Assistant

July 2012 - December 2012 (6 months)

Madison, Wisconsin, United States

- Designed prototype robot to measure floor contours using 8-core Propeller microcontroller.
- Wrote drivers for wireless USB keyboard and UART, SPI, I2C, ADC communication protocols.
- Maintained company website.

Education

University of Wisconsin-Madison

Bachelor's Degree, Double Major: Computer Engineering and Computer Science · (2009 - 2014)