

IAN ALEXANDER

Full Stack Software Engineer with 6 years of experience in building back-end solutions and front-end webapps

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+ Denver, CO

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EXPERIENCE

Founder | Principle Software Engineer

Ember

2021 - Present Denver, CO

- Created webapps using python and node.js (frameworks including Angular, Express, Flutter, Flask, and Django) for applied cryptographic key management, ecommerce, and weather data.
- Designed and developed web3 based tech for numerous blockchain startups, data/cyber security, and FinTech companies which resulted in company growth and new product development.
- Led a team of engineers to develop front end web apps for Defi solutions, stable coins, and wallet integrations.
- Architected and developed PKI web platform for private key custody and crypto wallet solutions for enterprise companies, family offices, and retail clients.
- Integrated sales reports and CRM systems with DevOps, presenting all C-level executives across 25 branches with real-time dashboards on sales KPIs.
- Re-engineered and Managed an enterprise database of client health records, stored procedures, and health code logic for a large PE firm following the acquisition of a private client
- Technology used: C++, Python, Solidity, Angular, React, Flutter, AWS, SQL.

Software Engineer

IBM

2016 - 2018 Boston, MA | Denver, CO

- Engineered weather data APIs and back end data analysis for enterprise clients in agriculture, oil and gas, and aviation
- Developed a new web app interface for aviation clients using Angular which resolved previous web and mobile platform bugs and increased client retention by 20%
- Designed new AP Is and trading tools for energy and commodities traders in natural gas, renewables, and broader commodities markets
- Architected financial data analysis tools for hedge funds, private offices, and corporate finance clients based on market sentiment data using Python, Tableau, and SQL

Software Engineering Internship

Jesse Beams Physics Lab

2012 - 2014 Charlottesville, VA

- Developed and managed custom database solutions for nuclear physics research data using C, C++, and SQL
- Analyzed and cleaned proprietary research data with Python and C++ to identify trends and present statistical models for review by tenured research professors
- Drafted technical documents outlining research data and developed visual presentations of physical instruments in AutoCAD

EDUCATION

University of Virginia 2014

B.A., Anthropology with Honors

GPA 3.87 / 4

Phi Beta Kappa

MILITARY SERVICE

US Coast Guard

Jan 2007 – Jan 2010

Search & Rescue Small Boat Station

TECH STACK

| | | |
|---------|------------|------------|
| C++ | Python | Go |
| Angular | JavaScript | Typescript |
| React | Docker | Flutter |
| SQL | MySQL | MongoDB |
| Azure | AWS | Pandas |

CERTIFICATIONS

IBM Blockchain Essentials

Machine Learning with Python

Python For Data Science

IBM Watson Data Platform Foundations

Passions

- Ice Skating / Hockey
- Skiing
- Surfing

Languages

English | French