Charles J Bangert Jr

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EDUCATION:

University of Maryland | College Park, MD *Graduated: May 2020*
B.S in Computer Science and a Minor in Technology Entrepreneurship
- Hinman CEOs Program: 2-year Living-Learning program intended to develop business leadership skills, particularly dealing with startups
- Public Leadership Scholars Citation: 2-year program aimed at developing leadership/project management skills, along with Public Policy coursework. Culminated in a capstone: led a small oyster restoration project

PROFESSIONAL EXPERIENCE:

Tsunami Finance *May 2022 – present*
Full-Stack Web3 Software Engineer (Front-end focused)
- Created a decentralized exchange where users could trade the Luna/UST pair on the Terra blockchain using an automated market maker (AMM)
- Integrated front-end trading view and functionality (Javascript, React) with smart contracts
- Identified bugs in smart contract and implemented fixes

M&T Bank | Remote/Wilmington, DE *Aug 2020 – May 2022*
TDP Software Engineer
- Collaborated with product owner to architect and implement a Risk Scoring application (Python, Flask, SQL Server, C#, Javascript and .NET) to calculate numerical risk scores to outgoing wire transactions
- Led CI/CD initiative for AGILE team
- Provided production support for multibillion dollar Wire/Check/ACH transfers
- Managed administrative responsibilities for rotational program dealing with campus recruiting
- Integrated and warehoused financial data from various data firms in new Collective Investment Trust application in a fault tolerant manner (.Net Core 5, SQL Server, RedHat Openshift, Steeltoe Hystrix)
- Manage relationships with domestic and international vendors for integration support
- Collaborate with business stakeholders and AGILE team to design and architect Collective Investment Trust management platform (.Net Core 6, SQL Server, Angular TypeScript)

GP Strategies/John Deere | Columbia, Maryland *Summer 2019*
Contract Software Engineer
- Charged with developing and maintaining the Integration Test suite (Java with Spring libraries, Apache Maven, Gherkin) for the John Deere Custom Performance (JDCP) platform, spanning over 80 REST Microservices
- Identified and fixed issues pertaining to global system integration

Triangle Experience Group | Arlington, Virginia *Summer 2018*
Software Engineering Intern
- Implemented mitigations in the source code (in C) for vulnerabilities exposed by the HP Fortify scan.
- Achieved ahead of schedule and within the first month of my start date.

Projects:

Uptahr LLC - Paradigm LABS *Sept-Oct 2021*
- Rapidly collected requirements, architected, and built backend services for founder education platform MVP in 3 weeks (Django, GraphQL, PostgreSQL, React, AWS)
- Notable features of the platform include an article recommendation service and the ability to create teams with various user roles

TECHNICAL SKILLS:

Programming Languages
- Java, Python, TypeScript, Javascript, C, SQL, C#, Rust, C++, HTML, CSS, R

Frameworks, Tools and Technologies:
- .NET Core, SQL Server, Flask, Django, PostgreSQL, React, Angular, Spring, Linux/Unix Operating Systems, IBM DB2, MongoDB, GraphQL, RedHat Openshift, Gherkin, Git, Node.js, Express.js, Ajax, Underscore.js, Android SDK, Gitlab, Jupyter Notebook

Other Skills
- Extensive coursework in Machine Learning, Computer Vision, and Bioinformatic Algorithms
- Experience with Web Scraping, Data Tidying, Modeling, and Analysis