Pamella Soares de Sousa

Fortaleza, Ceará, Brazil

+55 85 999785829 | pamella.soares.web3@gmail.com | https://linkedin.com/in/pamellasoaresds

Professional Summary

Blockchain developer and researcher with 5+ years of experience building smart contracts and decentralized applications using Solidity, JavaScript, and TypeScript. Led agile development teams to deliver government and enterprise blockchain solutions, translating business requirements into scalable technical implementations. PhD researcher with strong analytical skills and proven expertise in blockchain innovation and R&D projects.

Education

Ph.D. in Computer Science - State University of Ceará - Expected Completion: Dez 2025 (PhD Visiting Researcher at Brunel University of London | Oct 2024 - Apr 2025)
M.Sc. in Computer Science - State University of Ceará | 2021
B.Sc. in Computer Science - State University of Ceará | 2018

Skills

- **Blockchain Development**: Solidity, Web3.js, Ether.js, Hardhat, Truffle, Ethereum-based (EVM) blockchains, Hyperledger Besu, IPFS, Python, Web3.py, Mythril, Remix, Layer 1/Layer 2
- **Web Development and Languages:** JavaScript, TypeScript, Python, Node.js, Express.js, Next.js, React.js, MySQL, PostgreSQL, and MongoDB
- **Tools**: VSCode, Postman, Git, GitHub, Jira, Clickup, Figma, DBeaver, JMeter
- **Scientific Research:** LaTeX, Scientific Writing, Data Analysis (Statistics)
- **Other Skills:** RESTful APIs, Agile Development

Professional Experience

Blockchain Developer | Smart Contract Engineer
Bitshopp | São Paulo, SP, Brazil | Feb 2024 - Present
- Developed smart contracts using ERC-721, ERC-1155, and ERC-20 standards for enterprise tokenization systems
- Implemented upgradeable proxy patterns using Diamond Standard and OpenZeppelin for enhanced modularity and future extensibility
- Built cross-chain bridge contracts to connect public and private EVM-based blockchains
- Developed multisignature wallets and meta-transaction features using smart contract standards for signature validation
- Created and documented RESTful APIs integrated with Hyperledger Besu blockchain for privacy-focused organisations
- Internal auditors using static analysis tools (Mythril and Slither) and identifying main vulnerabilities.

PhD Visiting Blockchain Researcher
Brunel University of London | London, UK, United Kingdom | Oct 2024 - Apr 2025
- Research blockchain developer experience across platforms, including Alchemy, Thirdweb, Moralis, and Web3 development tools
- Conduct software repository mining and data analysis using Python to identify pain points in the blockchain development community
- Published peer-reviewed paper on blockchain Developer Experience (DX), contributing to academic knowledge that shapes future Web3 development practices

Blockchain Developer | Team Lead
Urbe.Digital | Fortaleza, CE, Brazil | Oct 2022 - Feb 2024
- Led blockchain development team focused on government solutions, developing smart contracts (ERC-721, ERC-1155, ERC-20) for projects related to tracking public processes and licenses
- Developed blockchain-based APIs using Node.js and Express.js to integrate with existing government systems
- Managed agile blockchain team and product backlog, translating government requirements into technical specifications for blockchain infrastructure.
- Delivered the first municipal blockchain solution for validating licenses and permits, improving document transparency and citizen trust.

Blockchain Developer | Blockchain Researcher | Team Lead
Blockchain One | Fortaleza, CE, Brazil | May 2021 - Oct 2022
- Developed smart contracts for medical records, art authentication, and private institution solutions and tokenization's projects using ERC-721, ERC-1155, ERC-20.
- Conducted research to identify, specify features, and plan architectural design for blockchain

solutions targeting government agencies and private institutions in projects related to cryptocurrencies, digital assets, NFTs, and document records on blockchain technology.
- Managed agile teams and backlog, and translated user requirements into technical specs.
- Performed security analysis using Mythril and conducted performance testing with JMeter for production systems.
- Published scientific articles, nationally and internationally, with one publication earning third-place recognition for the best paper.
- Participated in hackathons, achieving 1st and 3rd place in two challenges at the Web3 Hackathon - Tokenization of Union Assets, promoted by the Union Property Secretariat.

UX/UI Designer
Blockchain One | Fortaleza, CE, Brazil | May 2020 - May 2021
- Conducted competitor analysis and created user personas.
- Designed navigation maps and structured information architecture.
- Developed prototypes, wireframes, and the design of medium and high-fidelity solutions.
- Planned and executed usability tests.
- We built one of Brazil's first blockchain platforms for art authorship registration, placing in the top three at the 2020 "Demoday Corredores Digitais".

Blockchain Researcher | Master's Scholarship Holder
Coordination for the Improvement of Higher Education Personnel (CAPES) | Fortaleza, CE, Brazil | Mar 2019 - May 2020
- Conducted the study, implementation, execution of experiments, and writing of articles for blockchain-related projects.
- Participated in regional, national, and international scientific events.
- Reviewed and mentored undergraduate students.
- Development of blockchain-based microservices for notary offices (Proof-of-Concept).

Projects

Tokenization Platform [RESTful API, Next.js, TypeScript, Solidity, Web3.js, Ether.js] **| Bitshopp**
I have been working as a blockchain developer, building smart contracts for tokenization and introducing concepts of smart contract upgrade patterns, such as the Diamond pattern.

Docstone [RESTful API, JavaScript, Node.js, Express.js, Solidity, Web3.js] **| Blockchain One**
I worked as a researcher and development leader for a blockchain-based API that can be integrated with software for document registration and management.

Arqué [Figma, RESTful API, Next.js, Solidity, Docker] **| Blockchain One**
I worked as a UX Designer on a platform for authorial work registration.

"A Brief History of Ceará" NFT Collection [OpenSea] **| Blockchain One**
I worked as a researcher and development leader for a collection of NFTs representing significant moments in Ceará's history through a collection of digital art, ranging from woodcuts to pixel art.

Sis.integra [RESTful API, JavaScript, Node.js, Express.js, Solidity, Web3.js] **| Urbe.digital**
I worked as a researcher and development leader, creating functionalities for document validation on a blockchain platform for government protocol management.

Languages

English| Intermediate   **Portuguese |** Native