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ÓSCAR ARAUZ PÉREZ

MOTIVATION

I am a passionate and ambitious software developer with a strong commitment to excellence and an unquenchable thirst for learning and professional growth. My youth brings me a fresh perspective and a unique adaptability to emerging technologies, allowing me to approach challenges with an innovative approach and creative solutions.

Specializing in backend development, I stay up to date with the latest advancements in server-side technologies, frameworks, and cloud infrastructure, continually optimizing for scalable and efficient systems. My experience spans a wide range of backend concepts, including API design, database management, server architecture, and system integration, always striving to build robust and reliable solutions.

SKILLS:

- I am a tech enthusiast -

BLOCKCHAIN DEVELOPMENT SKILLS

Throughout my journey as a blockchain developer, I've gained hands-on expertise with leading technologies such as Ethereum, Solidity, Remix, Hardhat, Infura, Thirdweb, rivet, Etherscan, EVM, Metamask, Alchemy, Cardano, Plutus, Plutus Playground, Haskell, Web3, Cardano-node, Yoroi, and Daedalus Wallet. Additionally, I have experience in Helium mining, further expanding my knowledge of decentralized ecosystems.

FULL STACK DEVELOPMENT SKILLS

In my extensive experience as a backend developer I have acquired knowledge of software architecture, design patterns, system design, RESTful Services, automated testing, continuous integration and deployment (CI/CD), containers and orchestrators, encryption and secret management:

My full-stack technology stack includes proficiency in Linux, AWS (Elastic Beanstalk, S3, EC2, RDS, Route53, Lambda, and more), Redis, Supervisor, Celery, Django, FastAPI, Flask, PostgreSQL, MongoDB, and Python. On the frontend, I work with JavaScript, React, React Native, Node.js, GraphQL, and more. I'm also well-versed in modern DevOps tools such as Docker, Kubernetes, and Git, ensuring efficient development and deployment pipelines.

ARTIFICIAL INTELLIGENCE SKILLS

Throughout my journey in the field of artificial intelligence, I've gained hands-on expertise with leading technologies and frameworks such as TensorFlow, PyTorch, Keras, OpenAI APIs, Scikit-learn, and Hugging Face. I am proficient in implementing machine learning models, natural language processing (NLP) techniques, computer vision algorithms, and deep learning architectures. Additionally, I have experience deploying AI solutions in production environments and integrating them into diverse applications, further expanding my knowledge of intelligent and data-driven systems.

SOFT SKILLS

Problem Solving: Ability to address complex problems in a structured manner and find effective solutions.

Teamwork and Communication: Ability to work effectively within multidisciplinary teams and communicate technical complexities to non-technical stakeholders.

Continuous Learning: Dedication to learning and adapting to new technologies and methodologies.

EXPERIENCE

KUBECOIN, Barcelona – *Lead Blockchain & Full Stack developer*

NOVEMBER, 2023 – ACTUALITY

- Developing and deploying smart contracts on Ethereum and Cardano using Solidity and Plutus.
- Managing blockchain nodes and network configurations.
- Creating and auditing decentralized applications (dApps) for compliance and security.
- Optimizing gas usage in smart contracts to improve efficiency and reduce transaction costs.
- Designing and implementing RESTful and GraphQL APIs to enable seamless communication between frontend applications and server-side logic.
- Optimizing database performance by designing efficient schemas, indexing strategies, and writing optimized queries for relational and NoSQL databases.
- Implementing robust authentication and authorization mechanisms to ensure secure access control across applications.

FLYKUBE, Barcelona – *dApp & Backend developer*

NOVEMBER, 2023 – ACTUALITY

- Developing and maintaining decentralized applications (dApps) with a focus on usability and performance.
- Integrating Web3 libraries into React applications to enable seamless interaction with blockchain networks.
- Writing and managing TypeScript code for type-safe and efficient front-end development.
- Building APIs and backends with Python to facilitate secure communication between the dApp and blockchain layers.
- Ensuring decentralized application security through robust authentication and transaction validation.
- Optimizing the performance of dApps by managing state, caching data, and handling blockchain interactions efficiently.
- Collaborating with cross-functional teams to implement new features and enhance dApp functionality.

MINSAIT, Madrid – *Backend Developer*

AUGUST, 2022 – SEPTEMBER, 2023

- Developing and maintaining scalable server-side applications using frameworks such as Node.js, Django, or Spring Boot.
- Integrating third-party APIs and services to enhance application functionality and streamline workflows.
- Implementing CI/CD pipelines to automate testing, deployment, and monitoring of backend services in cloud or on-premise environments.
- Debugging and resolving performance bottlenecks in server-side applications to ensure optimal response times and system reliability.
- Collaborating with cross-functional teams to define backend requirements and implement solutions aligned with business needs.
- Writing comprehensive documentation for backend processes, APIs, and system architecture to facilitate team collaboration and future scalability.

QUANTIKA14, Seville – *Backend developer & Security*

Analyst MARCH, 2022 – JUNE, 2022

- Designing and implementing secure backend architectures, ensuring data encryption, secure communication protocols, and protection against vulnerabilities like SQL injection and XSS.
- Conducting regular security audits and penetration testing to identify and mitigate potential threats in server-side applications and APIs.
- Developing and enforcing secure coding practices, including static code analysis and secure API design, to minimize risk exposure.

- Monitoring server logs and network traffic for anomalies, responding to potential breaches, and implementing incident response procedures.
- Integrating authentication and authorization mechanisms, such as OAuth2, JWT, and role-based access control (RBAC), to safeguard sensitive data and systems.

EDUCATION

- Every new day brings a new opportunity to learn -

SAFA, SEVILLE – *Professional Software Developer.*

SEPTEMBER, 2020 – MARCH 2022

Qualification: Specialization in Back-end development.

Activities and groups: TFG: Development of cryptocurrency mining system "Staking Pool" on the Candano blockchain. Activities and groups: TFG: Development of cryptocurrency mining system "Staking Pool" in the Candano blockchain.

Continuous and practice-based learning of cross-platform software development, specialized in backend development of REST APIs and cloud system administration.

ACHIEVEMENTS

Check mi github: <https://github.com/oscar1223>, you can find many interesting things from; autonomous AI bot, automated scripts to launch a Cardano Staking Pool, small demo with an OCR (to not write more notes), my neural networks notes and a small trading bot.

Founder of SnarkyDuck token: <https://sduk.io/>

Personal portfolio: <https://arauz.dev/>