Manuel Maxera

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Versatile IT professional turned full-stack software engineer with a strong foundation in infrastructure, automation, and cloud technologies—now specializing in smart contract and blockchain development. Experienced in building and maintaining production-grade applications across PHP, Java, and TypeScript, including a browser extension, web crawlers, and a core backend system. Passionate about Web3 and decentralized applications, I've developed and deployed fullstack dApps on Ethereum using Solidity, Hardhat, Foundry, and Ethers.js. Comfortable working across the stack—from writing smart contracts to building performant frontends using React, Tailwind CSS, and Vite.

PROFESSIONAL EXPERIENCE

Avature   **Buenos Aires, Argentina**
Software Engineer   *July 2024–Current*

- Develop and maintain a suite of applications across multiple technologies: PHP (core app), Java (scraping and API interaction), and TypeScript (browser extension).
- Designed and maintained a browser extension using TypeScript with a React frontend and Node.js backend.
- Developed Java-based crawlers/robots to scrape job boards or communicate with their APIs, parsing responses to create user-specific datasets.
- Built and maintained the core PHP application, acting as the end product for end-users and integrating functionalities from the extension and crawlers.
- Conducted bug fixes, defect resolution, and implemented new features across all platforms to enhance functionality and user experience.
- Collaborated with cross-functional teams to ensure seamless integration between projects.

Avature   **Buenos Aires, Argentina**
Cloud Engineer   *March 2022–July 2024*

- Led critical cloud infrastructure operations, including server provisioning, decommissioning, and configuration management across multiple cloud platforms and Linux environments
- Managed on-call rotations, ensuring rapid response to and resolution of critical infrastructure issues
- Spearheaded proactive monitoring initiatives, collaborating with cross-functional teams to implement and optimize alerting systems, significantly improving infrastructure reliability and availability
- Designed and implemented a refined alarm severity system, drastically reducing false positives and enabling more efficient crisis management
- Initiated and drove the adoption of a team-owned alarm routing system, enhancing accountability and response times by aligning alerts with infrastructure ownership
- Developed and executed automation strategies using scripting and workflow tools, streamlining operations and reducing manual interventions
- Acted as a technical enabler, working closely with various teams to enhance their monitoring capabilities and infrastructure reliability
- Continuously optimized on-call processes, minimizing team burden while maintaining high-quality support

IBM - Kyndryl   **Buenos Aires, Argentina**
Sysadmin Unix   *November 2019–March 2022*

- Administered and maintained a diverse server environment including Linux Red Hat, AIX, and Solaris systems, focusing on capacity planning, server installation, and troubleshooting
- Managed a 24/7 on-call rotation, promptly responding to and resolving critical infrastructure alerts and issues
- Developed and executed daily and scheduled maintenance tasks to optimize and improve existing infrastructure
- Successfully led server and data migration projects, ensuring minimal downtime and data integrity

- Performed server software installations and upgrades, maintaining system security and performance
- Provided technical assistance and guidance to on-site datacenter staff, enhancing overall operational efficiency
- Implemented an Ansible-based automation solution across multiple servers, significantly reducing manual ticket resolution time for specific issues

IBM   **Buenos Aires, Argentina**
Helpdesk   *January–November 2019*

- Provided comprehensive technical support to customers via multiple channels (phone, chat, email), troubleshooting and resolving application and computer issues across Linux, Windows, and Mac systems
- Utilized remote access tools to efficiently diagnose and fix software problems, demonstrating adaptability across diverse operating systems
- Improved support efficiency by reducing average call resolution time and decreasing call abandonment rates
- Increased overall customer service capacity, resulting in a higher number of users served

EDUCATION

UNIVERSIDAD de BUENOS AIRES   **Buenos Aires, Argentina**
Computer Science   *March 2017*
Incomplete

SKILLS

Languages/Frameworks/Tools:
- Solidity, Typescript, Java, Python, SQL, PHP
- Hardhat, Foundry, SpringBoot, React, Tailwind
- Grafana, Docker, Linux, AWS, Git, Prometheus

PROJECTS

POKEMON VOTING DAPP
- - Built fullstack decentralized voting DApp using Solidity, Hardhat, Ethers.js, React, etc
- - Implemented user registration via wallet with name and IPFS-hosted profile image
- - Designed smart contract with one-vote-per-user logic and admin-controlled Pokémon management
- - Integrated IPFS for decentralized asset storage and metadata
- - Deployed and verified with Etherscan the [smart contract](#) on Ethereum Sepolia testnet

HOYTSX
- - Developed a decentralized cinema ticketing DApp using Solidity, Hardhat, Ethers.js, React, etc
- - Enabled users to browse movies, select showtimes, and purchase seats as on-chain NFT tickets
- - Built smart contract to manage ticket ownership, enforce seat availability, and store data on-chain
- - Integrated IPFS for decentralized storage of movie poster images
- - Deployed and verified with Etherscan the [smart contract](#) on Ethereum Sepolia testnet

LANGUAGES

Spanish: Native language
English: Intermediate (B1)
Italian: Elementary (A2)