

Dani Gámez Franco

**Building the future of Defi | Staff Web3 Software Engineer / Architect |
Top 1.5% at StackOverflow | Summa Cum Laude Computer Science Engineer at UAB**



Location: Ordino, Andorra (B2B remote roles only, due to residency)

Website: <https://gmzcodes.com>

Stack Overflow: <http://stackoverflow.com/users/3723993/danziger>

Top 1.5% globally, 1% for JavaScript and React.js, and ranked highly in Node.js, MongoDB, TypeScript, and more.

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Product-oriented Software Engineer/Architect and Entrepreneur who thrives at the intersection of product vision and technical execution, translating complex ideas into intuitive user experiences.

Experienced across frontend, backend, databases and blockchain systems, with a focus on clean architecture, security, scalability, robustness and performance. Recently led the development of Wander (formerly ArConnect), the main wallet for the Arweave and AO ecosystem, and Wander Connect, its embedded self-custodial wallet counterpart.

Deep experience with modern web technologies (JS/TS, React/Next.js, Node.js), databases (MongoDB, PostgreSQL, DynamoDB). Extensive work in security & performance optimization, browser extensions, and serverless platforms (Vercel, Supabase).

Focused on Web3, DeFi, fintech with emerging interest in Rust, WebAssembly, computer vision and biotechnology.

EXPERIENCE

Web3 Lead Software Engineer / Architect at Community Labs · July 2024 – Present

Techs: JS, ES6+, TypeScript, HTML, CSS, SCSS, JSS, React, Next.js, Vercel, Supabase, tRPC, Prisma, PostgreSQL, Lua, Arweave, Plasmo, browser extensions, Web Crypto API

Worked across the DePIN (Decentralized Physical Infrastructure Networks) and DeFi space within the Arweave and AO ecosystems. More in detail:

- Architected and built Wander Connect, an embedded self-custodial wallet leveraging Shamir Secret Sharing, EdDSA and zero-knowledge proofs for wallet activation and recovery, RSA for account recovery, and Web2 authentication methods (social login, email/password, OTP, passkeys).
- Contributed to the Wander (formerly ArConnect, #1 wallet for Arweave & AO) browser extension and Arweave Wallet Kit, improving security, performance, and user experience.
- Audited and remediated security issues in Othent, a custodial wallet built on Auth0 and Google KMS, before its deprecation in favor of Wander Connect.
- Developed internal testing tools such as a wallet playground for rapid validation of wallet functionality.
- Collaborated directly with developers and ecosystem partners on GitHub and Discord, supporting major integrations (e.g. Odysee, ArDrive).
- Conducted code reviews and 1:1s with team members and engineering sync meetings with the CEO, CTO and CPO.
- Performed security and architecture reviews for other Community Labs portfolio projects I wasn't directly involved in, such as Protocol.land, Liquid Ops or Astro.

Freelance Fractional CTO / Lead Software Engineer at Spotted.io (Contract) · August 2023 – March 2024 (7 months)

Techs: Python, Hugging Face, LangChain, Pinecone, PostgreSQL, pgvector, Redis, T3 stack, JS, TS, React, Next.js, Formik, Vite, Supabase, GraphQL, tRPC, Prisma, crawlee, Apify, Sentry, Vercel.

Revamping the hiring and interview process for efficiency and fairness using AI and candidate-generated content.

I improved the offshore-developed system by identifying and fixing security issues, optimizing performance, and addressing conversion leaks. This included restructuring inefficient parts of the system and reducing costs by 30-40% in some cases.

I also evaluated our platform against competitors, finding ways to stand out. I suggested strategic projects to help spotted.io in building a marketing flywheel.

Web3 Founding Full-Stack Engineer at NFMe Galaxy · August 2022 – August 2023 (1 year)

Techs: JS, ES6+, TypeScript, HTML, MDXJS, CSS, SCSS, JSS, Material UI, React, Next.js, SST, AWS, Lambda, DynamoDB, API Gateway, Formik, PNPM, ESLint, Framer, Rive, SVG.js, web3.js, viem, wagmi, NFT.

At NFMe Galaxy, I held a pivotal position as the Founding Engineer, taking charge of developing an innovative identity solution using NFTs. Reporting directly to the founder, I led the creation of a performant React-based 2D SVG avatar editor from scratch, set up our monorepo and CI/CD infrastructure, and helped establish the foundations for our serverless architecture (AWS, Lambda, DynamoDB).

Alongside my engineering responsibilities, I played an integral part in hiring endeavors and contributed to shaping the company's strategy and product decisions. My role encompassed technical expertise as well as leadership and communication, as I was working with non-technical colleagues and also managing less experienced developers.

 This position came to a premature end due to lack of funding / crypto winter.

Web3 Senior Frontend Engineer, Payments at Mojito · December 2021 – August 2022 (9 months)

Techs: JS, ES6+, TypeScript, HTML, MDXJS, CSS, SCSS, JSS, styled-components, Material UI, React, Next.js, Apollo GraphQL, Go, PostgreSQL, react-hook-form, Jest, react-testing-library, NPM, Webpack, Rollup, Babel, TSLint, dumi, WalletConnect, web3.js, ether.js, NFT.

Leading the development of a customizable NFT checkout / payment SDK + UI library supporting multiple fiat and crypto payment methods, such as credit card and Wire with Circle, ACH with Plaid, and crypto either through Coinbase or directly from your wallet, and including features such as item reservation, address validation, fraud prevention using 3DS, taxation using Vertex or TaxJar, and wallet transfer.

I also worked on Sotheby's Metaverse and a white-label themable primary and secondary market site to enable more customers to quickly launch their NFT e-commerce, as well as Mojito's React SDK and admin platform.

 This position came to a very premature end due to massive layoffs / cost cutting.

Lead Frontend Engineer / Architect, UI at Swyg · July 2020 – November 2021 (1 year & 5 months)

Techs: JS, ES6+, TypeScript, HTML, MDJSX, CSS, SCSS, React, Next.js, Nest.js, Apollo GraphQL, Node.js, Python, Django, PostgreSQL, react-hook-form, Twilio, Zappier, Jest, react-testing-library, NPM, Webpack, Rollup, Babel, TSLint, Storybook, WebRTC..

As the Frontend expert on a small but diverse team of 6, my main responsibility at Swyg is building and architecting our innovative peer-to-peer, AI-moderated video-interviewing platform to help you create fast, effective, fair, and unbiased hiring processes and offer a human, fun, and constructive experience for candidates.

At the same time, I work on backend development, analytics, and product design, working closely with the rest of the team and learning from each other's expertise, while trying to understand user needs to guide our next steps. I also lead an initiative to open-source some of our internal libraries and publish some completely free side-projects.

 This position came to a premature end due to lack of funding / traction.

Interim CTO at Brava Lab · October 2018 – June 2020 (1 year & 9 months)

Not relevant for your role. Details on [LinkedIn](#).

Lead Frontend Software Engineer / Architect (Hands-On) at MedAnswers · October 2018 – June 2020 (1 year & 9 months)

Techs: JS, ES6+, TypeScript, HTML, MDJSX, CSS, SCSS, JSS, Material UI, React, Next.js, Node.js, PWA, Redux, Immer, Formik, i18next, Jest, Enzyme, Cypress, Webpack, Babel, TSLint, Storybook.

Leading an agile frontend & QA team of 3-5 people working remotely from Barcelona Health Hub, Colombia and Portland for MedAnswers, an American health (fertility) startup, client of Brava Lab. I serve as a link between the frontend team, product (PM and UI/UX Designer) and business (CTO and Science Team).

Our main focus is to build and maintain our multilanguage digital fertility platform, which brings free access to fertility specialists, same day answers and a personalized fertility report based on our "DNA Home Fertility Check and Genetic Wellness Test". As part of that, we have also built an interactive sign up and onboarding experience for clinics and professionals, as well as a SEO-optimized Q&A site, and integrated with multiple services, such as Google Analytics & Places API, Shopify and HubSpot.

 This position came to a premature end due to COVID-19.

From Junior to Senior Software Engineer at Netcentric · September 2015 – October 2018 (3 years & 2 months)

Techs: JavaScript, TypeScript, Angular, React, Redux, Node.js, Gulp, JSPM, Webpack, ESLint, CSS/SCSS, PostCSS, Accessibility (WCAG), AEM, Performance Optimization, SEO, software design, Java, Maven, NativeScript, SPA/PWA, Karma, Jasmin, Protractor, browser extensions.

Worked on multiple projects for two big Swiss banks, most notably:

- Piazza App, developed with NativeScript, where I led the open-source contribution efforts.
- Performance and accessibility (WCAG) analysis and optimization on core complex components that spawn across many of their sites (navigational components, interactive galleries...).
- Shared living style guide / UI components library to share across different teams and projects.
- Online mortgages application and tracking TypeScript + Angular.js + Redux SPA.
- Online credits application and tracking TypeScript + Angular 4 + Redux SPA.
- Took part in defining and optimizing build processes for multiple projects, as well as cross-browser and cross-device testing and accessibility efforts.
- Developed and integrated different Node.js tools to automate tedious and repetitive tasks.

This entry spans multiple years, positions, projects, and promotions. A detailed break-down with screenshots can be found on [LinkedIn](#).

Freelance Full-Stack Web Developer at GMZcodes · September 2011 – August 2015 (4 years)

Multiple LAMP stack (Linux, Apache, MySQL and PHP) projects, including:

- B2B e-commerce and recommendation engine on MySQL.
- SPA/PWA for habit tracking for a freelance psychology professional.
- E-Learning platform for a department at my university.
- Developed and published multiple browser extensions, both for personal use and for clients.
- Designed and implemented multiple WordPress and Tumblr sites/themes/features with different integrations.

This entry spans multiple years, positions, and projects. A detailed break-down with screenshots can be found on [LinkedIn](#).

EDUCATION

Self-Driving Car Engineer Nanodegree at Udacity · September 2017 – October 2018

Techs: Python, OpenCV, TensorFlow, Keras, CNN, Scikit-learn, SVM, decision trees, random forest, Adaboost, image classification, object detection, image segmentation, C++, Eigen, OpenMP, Ipopt, CppAD, Kalman Filter, PID controller, MPC, radar, lidar, GPS, ROS, RNN, LSTM.

Bachelor's Degree in Computer Engineering, Specialization in Information Technology (TI), 9.26, Graduated with Honors (Summa Cum Laude) at Autonomous University of Barcelona (UAB), Engineering School (ETSE) · 2012 – July 2017

Obtained Honors in the following courses: Fundamentals of Computing, Programming Methodology, Fundamentals of Computers, Electricity and Electronics, Discrete Mathematics, Statistics, Software Engineering, Databases, Programming Lab, Artificial Intelligence, Networks, Operating Systems, Computer Structure, Computer Architecture, Internet and Web Development Technologies, Information Systems, Software Design, Advanced Internet Technologies, Web Systems and Technologies, Networks Infrastructure and Technology, Current Trends, Legislation, Ethics in Engineering, Data Integrity and Security, Software Quality and Testing and Project Management.

Also awarded with the Computer Engineering Degree Special Award (2017 Promotion) and the Special Award for the Best Degree Record of the Computer Engineering Degree (2017 Promotion).

Bachelor's Degree in Industrial Technology Engineering (not terminated) at Polytechnic University of Catalonia (UPC), School of Industrial Engineering of Barcelona (ETSEIB) · 2011 – 2012

GCE Advanced Level (A-level), Specialization in Science and Technology - 9.09 (11.274 in Selectivity) at INS La Ferrería · 2009 – 2011

CERTIFICATIONS & COURSES

Techs: C++, MongoDB (M201, M101J, M101JS, M101P), Marionette, Backbone.js, React, Redux, SSR, TDD, Wordpress, DevOps, Security, PhantomJS, CasperJS, Docker, UX, Node.js, Microservices, Java, Machine Learning, Career Management, Business Planning, Agile, Scrum, Penetration Testing, Webpack, OAuth2, OpenD Connect, JWT, Gulp, Hapi, SMACSS, ES2015, Git, Angular.js, Angular, FirefoxOS, WebApps, Android.

Currently studying multiple courses about blockchain, web3 and Solidity, such as those from Cyfrin Updraft, including the smart contract auditing ones. I'm continuously updating my knowledge and skills either doing online courses or working on my side projects, which serve as a playground for me to test different technologies.

More than 50 courses/workshops done in the early days of my career in platforms such as Udacity, Pluralsight, Code School, MongoDB University, Coursera or MiríadaX.

LANGUAGES

TOEIC® Listening and Reading

TOEIC® Program | March 2017 – March 2019 | 495/495 and 485/495 | C1 equivalent in CEFR.

TOEIC® Speaking and Writing

TOEIC® Program | March 2017 – March 2019 | 160/200 and 190/200 | B2 equivalent in CEFR.

Native Spanish

Full professional proficiency, oral and written.

Native Catalan

Full professional proficiency, oral and written. Level C recognized.