

Baqer Mamouri

Senior Full-Stack Engineer

Sydney, NSW · mamouri@gmail.com · +61 432 505 209 · linkedin.com/in/mamouri · github.com/bmamouri

Builds and ships products end-to-end · Full-stack & Web3 · TypeScript · AI-accelerated delivery

Work Experience

Redbelly Network

Jan 2026 – present

Senior Software Engineer (TypeScript, React, Node.js, Web3)

- Helped build Averer, Redbelly's identity platform that decides who can trade tokenized real-world assets using verifiable credentials. Co-own its React SDK and the credential-issuer services (React, Express, PostgreSQL, ethers, ERC-3643).
- Wrote the stablecoin deposit and withdrawal flow in the SDK, plus the balance and currency-precision logic, KYC provider routing, and Sumsu verification webhooks on the backend.
- Got the SDK ready for outside partners to drop into their own apps. Sorted out error and telemetry handling, kept PII like wallet addresses out of the logs, fixed the auth flow against Dynamic's wallet SDK, and added its first CI tests.
- Rebuilt LendFlow, a mortgage platform for real-world assets, as the top contributor on the broker app and author of the engine that runs its APRA lending checks (Hono, Effect, Dinero.js).
- Swapped the backend auth from AWS Cognito to Better Auth, and dropped a paid tax API by working out income tax and state stamp duty in-house.

PharmX

Aug 2024 – Dec 2025

Senior Software Engineer (TypeScript, Fastify, Next.js, Kafka)

- One of the founding engineers on PharmX's new B2B marketplace, a ground-up replacement for their old Magento store. Ran both the Fastify backend and the Next.js frontend from an empty repo through to production.
- Built the backend as roughly 28 domain modules on Fastify, using MongoDB for its own data and read-models over the legacy SQL Server, with types shared straight through to the frontend.
- Set up the Kafka pipeline that other services read from for orders, products and accounts, and wired the new platform into PharmX's existing systems through a SOAP EDI gateway.
- Added marketplace search on Elasticsearch and Algolia, Auth0 login with multi-workspace switching, and led the frontend's move to the Next.js App Router on a shared design system.

Kindred Group (Bet365 platform)

Jan 2024 – Jul 2024

Senior Software Engineer (Frontend, React, Micro-Frontends)

- Worked on the bet-placement widget on Bet365, the part of the site where users build and place their bets, on a small frontend team.
- Shipped it as a micro-frontend, a separate piece that deployed on its own and plugged into the main site, so we could release without waiting on other teams.
- Handled the live odds and bet-slip logic, including price updates, stake and selection checks, and reconnecting cleanly when the connection dropped, on a page that had to stay fast under heavy traffic.

Upgrowth (Contracting for BigW)

May 2020 – Dec 2023

Full Stack Engineer (Node.js, React, Next.js), Mobile Engineer (React Native)

- Helped move BigW's online store onto React, Next.js and Node.

- Rebuilt product search with Algolia, which cut search exits by 34%.
- Worked on BigW's first mobile app, which launched at 4.7 out of 5 and reached the top 25 in Shopping.
- Built a custom CMS on top of Adobe AEM so the content team could publish on their own.

Simply Wall St.

Oct 2018 – Oct 2019

Senior Software Engineer (Node.js)

- Built the pipeline that pulled companies and other entities out of 5M+ financial documents to feed the site's automated stock coverage (spaCy, Kafka).
- Wrote the system that generated plain-English news articles about listed companies on its own.
- Made chart images render 250% faster by dropping the platform's reliance on Puppeteer.

Wattcost

Nov 2015 – Apr 2018

Senior Software Engineer (Node.js and Python)

- Built the pipeline that turned raw meter pulses into live power-usage data for the Wattcost Beacon device.
- Wrote the tariff engine that handled time-of-use pricing, provider rules and solar feed-in.
- Built the consumer mobile app with a live energy dashboard and alerts (Flask, WebSocket, AngularJS).

Cell Care

Sep 2014 – Sep 2015

Software Engineer (Python)

- Built Cell Care's website from scratch on Django, with a Flask API and a jQuery front-end (this was before React).
- Connected it to the company's SharePoint portal, and built an in-house CRM on Django to manage customers.

Education

University of Canberra

2013 – 2017

Bachelor's Degree, Software Engineering

Technologies and Languages

TypeScript, JavaScript, Python | React, Next.js, React Native, Redux, D3.js | Node.js, Fastify, Express, NestJS, Hono, GraphQL, REST | Web3: ethers.js, ERC-3643 / OnchainID, Verifiable Credentials, smart-contract integration | PostgreSQL, MongoDB, Redis, Elasticsearch, Kafka, Snowflake | AWS, GCP Cloud Run, Docker, Kubernetes, Terraform, CI/CD

References

“Baquer has worked at Wattcost several times during the past two years assessing and implementing complex cloud infrastructure and mobile software projects. He is extremely focused and dedicated to solving the most technical of challenges, and it has been a pleasure working alongside him in our product development team.”



David Soutar

CEO at Wattcost

wattcost.com

“Baquer is a talented and creative software engineer as well as a great technical advisor. I have had the pleasure of working with Baquer on assessing the suitability of emerging technologies, cloud infrastructure design, database design, algorithm design, recruitment, and more. He is extremely focused, has an eye for important detail, and has a genuine passion for the toughest of technical challenges.”



Matt Schiller

CEO at Snappr

snappr.com

“Baquer worked on our company's website development project during a time when we were very focused on providing our customers with a seamless user experience. He demonstrated an understanding of what was required to deliver on the project, and in addition raised numerous development initiatives that we hadn't considered. Baquer always had valuable input into our development strategy and changed the direction of numerous projects due to his insight and experience.”



Tom Johnson

CEO at Cell Care

cellcare.com.au

“Baquer has a great grasp of the theory of data analytics, and he has the skill to explain it to the non-technical members of the team in an easy to understand way. When it is time to write code, he makes his hand dirty and gets the job done with speed and efficiency. He is obsessed with writing beautiful, idiomatic Python. I had such a pleasure working with him and wish him all the best in his future projects.”



Reza Mousavi

CEO at PBXDom

pbxdom.com