

Jay Bedeau-Stark

Full-Stack and AI Engineer

London, UK (GMT) · Open to UTC ± 5 · jbstark.ai · linkedin.com/in/jay-b-987108b · github.com/jbstark-ai

Available Hybrid / Remote · Any time zone, async-first · Employer of Record or B2B contract

SUMMARY

LEADERSHIP

Strategy Technical strategy, roadmaps and executive advisory.

Architecture Chose the architecture at Talamo, NTT Data and Zillia; GraphQL and tRPC APIs on Serverless, GCP, AWS and Cloudflare; infrastructure as code with Terraform.

Product Wrote requirements at Ford and NTT Data; vendor and cost calls.

People Recruited engineers at NTT Data, Ford and Sensor Tower; mentoring.

AI & Data Built a Python AI checkout assistant at Ford (Gemini SDK, TensorFlow, LangChain, Hugging Face); high-performance SQL for data visualisation at Sensor Tower (Claude, Cursor).

Quality Test-first standards from project inception — 90%+ coverage on own code, 80% team-wide at Ford.

SKILLS

AI & ML LLMs, RAG, Generative AI, Gemini, OpenAI API, TensorFlow, LangChain, Hugging Face, PyTorch, Python, Claude, Cursor

Frontend React, Next.js, React Native, TypeScript, Redux / Redux Toolkit, Zustand, TanStack Query, Styled Components, Emotion, Mantine, Storybook, WCAG AA accessibility

Testing Jest, Vitest, React Testing Library, Cypress, Playwright, TDD

Backend & Data Node.js, FastAPI, GraphQL, tRPC, PostgreSQL, ClickHouse, MongoDB, DynamoDB, Redis, Snowflake, Kafka

Cloud & DevOps AWS (Lambda, EC2, AppSync), Google Cloud, Vercel, Cloudflare (Workers, Pages), Serverless, Docker, Terraform, CI/CD (GitHub Actions)

HIGHLIGHTS

AI

Ford Checkout Virtual Assistant

Lead Developer (TensorFlow, Gemini, Python).

MOBILE

Legal & General app

React Native build; 2M+ users.

TESTIMONIALS

"Jay is a talented professional, very friendly... able to switch between a variety of challenges at short notice, and delivered code on schedule."

Tareq Al-Zubaidi

Software Engineer, Amazon · Managed Jay directly

"Jay is passionate about the products he works on and has strong product sense... He has strong experience in frontend development and TDD and played a key role in our migration from Angular to React. Friendly, positive and proactive, Jay would be a great addition to any team."

Harry Nömmann

Sensor Tower · Managed Jay directly

EXPERIENCE



Sensor Tower

Video Game Insights · Senior Full-Stack Engineer

Oct 2025 – Oct 2026

- Built high-performance ClickHouse and PostgreSQL queries (TanStack Query UI) visualising blended global demographic and sales data.
- Increased test coverage by 20%; wrote AI-assisted SQL (Claude, Cursor).
- Built the new React (Vite) UI with unit tests; recruited engineers.



Ford Motor Company

Senior Developer (Contract)

Dec 2023 – Aug 2025

- Built a confidential AI-powered checkout assistant in Python (Gemini SDK, TensorFlow, LangChain, Hugging Face); shaped its architecture.
- Delivered the EV checkout frontend (React, Redux, Cypress), live in 6 markets.
- Set cross-team standards for test-first, reusable components — 80% coverage team-wide; maintained 90%+ on own code.
- Wrote product requirements, advised on technical direction, recruited engineers.



Talamo

AI start-up · Principal Developer

May – Dec 2023

Led a 2-person team as platform architect; start-up funding closed.

- Chose the platform architecture and cloud stack (GCP, Supabase, microservices).
- Re-architected the frontend (React, TypeScript, Chakra UI, Storybook); added codebase-wide unit and integration tests.
- Built the CI/CD pipeline and deployed to Cloudflare (Workers, Pages).



Contracts — Zilliqa, Supra Oracles

Senior Full-Stack Engineer

Feb 2022 – Apr 2023

- Zilliqa: architected a Next.js site and Serverless API for Web3 gaming.
- Supra Oracles: processed Ethereum transactions and built wallet microservices on AWS, integrating oracle price-feed data.



NTT Data

Lead Full-Stack Developer

Jan 2021 – Feb 2022

- Recruited and led 5 developers on a telecoms e-commerce platform.
- Chose the architecture (Node, GraphQL, Next.js, Redux, PlanetScale, Strapi), owned planning and advised clients.



Infinity Works

Contract Software Engineer

Nov 2019 – Oct 2020

- Sainsbury's: full-stack development on customer-facing apps for the UK's 3rd-biggest supermarket (React, Redux, Node.js, DynamoDB, AWS); provisioned infrastructure, environments and CI/CD pipelines with Terraform.
- Sky: broadband security overhaul using DynamoDB; lifted test coverage to 80% (Jest, Vitest, React Testing Library).



Signal Noise (part of The Economist Group)

Contract Software Engineer

Jul – Sep 2019

- Senior developer on two React + Redux data-visualisation apps for McKinsey and Siemens, built with D3.js; deployed via Cloudflare.



Omnicom (Critical Mass)

Contract Software Engineer

Oct 2018 – Jul 2019

- Built a financial-services platform test-first (Node, React, TypeScript, Angular 4→7).
- Set up cloud infrastructure (AWS, Heroku) and CI/SCM (Bitbucket); deployed via Cloudflare.



Unflawed Technology

Freelance Full-Stack Consultant

2018 – 2023

Full-stack consulting for independent clients across the UK, US and Canada — React Native (Expo) apps and APIs on AWS/GCP.

- MatchesFashion.com (Mar – Aug 2018): full-stack development (MongoDB, React, Node.js) supporting internal teams; Redis for caching, sessions and queues.

Earlier roles 2012 – 2018

Brandbassador 2017 · Mobile5 Media 2017–18 · Thomas Cook 2015–17 · RIE Studios 2012–14

EDUCATION



Introduction to AI

Harvard University Online

Certificate · Completed

2025



Certificate in Agile

BCS, The Chartered Institute for IT

Distinction · 98%

2014



BA Game Development

University of the Arts London

First Class Honours (top UK grade)

2008 – 2011



BSc Computer Science

Queen Mary University of London

First year completed

2007 – 2008