

Pardeep Singh Basi

Fullstack JavaScript Developer

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PROFILE

Honest, determined and highly motivated full-stack TypeScript/Javascript engineer with a strong focus on modern web technologies and real-world product delivery. I'm driven by challenging problems and will keep iterating until there's a robust, well-tested solution. My core expertise spans real-time and API-driven applications (Node.js, Express/Fastify, WebSockets), modern front-end ecosystems (React, Next.js, Svelte/SvelteKit, Angular, GOV.UK Design System) and contemporary styling approaches (SCSS, CSS architecture, utility-first frameworks). I'm comfortable working in cloud-native, containerised environments (Azure, AWS, GCP, Docker, Kubernetes) with modern build and tooling stacks (Vite/Webpack/Rspack, TypeScript, Jest, Vitest, Cypress, Playwright, CI/CD pipelines, Terraform). I'm looking for cutting-edge projects that solve real problems, where I can contribute both hands-on and at an architectural level.

SKILLS

Frontend	HTML5 · JSX · SCSS · CSS3 · BEM · Styled Components · JavaScript · TypeScript · React · Next.js · Svelte · SvelteKit · Angular · NgRx · Redux · RxJS · Jest · Vitest · Cypress · Playwright · Storybook · GOV.UK Design System · Nunjucks
Backend	Node.js · Express · Fastify · Hapi · SvelteKit · REST APIs · GraphQL · WebSockets · Socket.IO · SQL Server · MySQL · PostgreSQL · Oracle · MongoDB · Redis · Firestore · Firebase · BigQuery · Serverless · AWS Lambda · Azure Functions · GCP Cloud Functions
DevOps & Cloud	Azure · AWS · Google Cloud Platform (GCP) · Docker · Docker Compose · Kubernetes · Azure AKS · Helm · Terraform · Jenkins · GitHub Actions · GitLab CI · Cloud Run · IAP · Prometheus · Application Insights · CI/CD · 12-Factor Apps
Tooling & Practices	Git · GitFlow · SVN · Agile / Scrum · Test-Driven Development (TDD) · Behavior-Driven Development (BDD) · Continuous Integration · Monorepos · Lerna · Webpack · Parcel · Gulp · Grunt · ESLint · Prettier

EXPERIENCE

Senior JavaScript Full-Stack Developer

Apr 2025 – Jun 2026

HM Courts & Tribunals Service · Possession Claims Service (PCS) · London, UK

Integrated HMCTS microservices into a secure Node.js/Express/Nunjucks application deployed to Azure using containers and infrastructure-as-code.

- Integrated multiple HMCTS microservices into a consolidated Node.js layer using Express and Nunjucks.
- Hardened the Node layer by disabling caching of sensitive data and configuring security headers including Helmet.
- Implemented OpenID Connect authentication flows including OTP generation and JWT handling in the frontend.
- Deployed services onto Azure using Terraform, Jenkins and Kubernetes with multiple preview environments.
- Improved code coverage and refactored legacy areas for better readability and testability.

PlatOps / DevOps Developer

Jan 2025 – Mar 2025

Office for National Statistics (ONS) · Prices BAU Team · Wales, UK (remote/hybrid)

DevOps and platform engineering across GCP and BigQuery, plus Angular/NestJS application work for the Prices BAU team.

- Implemented automated backup processes for key BigQuery tables using scheduled queries, Cloud Functions and Terraform.
- Worked across GCP services including Cloud Run, Cloud Storage buckets, scheduled functions and partitioned BigQuery tables.

- Contributed to Angular and NestJS applications within the Prices BAU team.
- Participated in Agile ceremonies including stand-ups, sprint planning, retrospectives and demos.

Senior JavaScript Full-Stack Developer

Feb 2024 – Sep 2024

Department for Transport (DfT) · Connectivity Planning Tool (CPT) · London, UK

Took a proof-of-concept Svelte app into a production-grade planning tool using SvelteKit, Node.js and GCP with strong testing and mapping UX.

- Re-architected a proof-of-concept Svelte app into a production SvelteKit/Node.js planning tool with SSR and client-side hydration.
- Configured the application following 12-Factor principles and containerised it for deployment on GCP Cloud Run.
- Integrated Google Identity-Aware Proxy (IAP) to secure access and surface authenticated user data into the app.
- Implemented Firestore as a user-preference store via Node/SvelteKit hooks using service accounts.
- Used MapLibre GL with Svelte to build an accessible, GDS-styled mapping UI backed by GeoJSON in GCP buckets.
- Set up GitHub Actions CI/CD pipelines plus Vitest, Testing Library and Playwright for unit, component and E2E tests.
- Used docker-compose and local emulators to mirror GCP services (Firestore, buckets) for local development.

Senior JavaScript Full-Stack Developer

Apr 2023 – Feb 2024

Ministry of Justice · Probation In Court (PIC) · London, UK

Delivered new features for the Probation In Court service using a microservice architecture on Azure AKS with a Node/Nunjucks frontend.

- Built new workflows such as outcomes processing for the 'Prepare A Case For Sentence' product.
- Worked on microservice architecture deployed to Azure AKS using Helm and Kubernetes.
- Implemented Nunjucks templating in Node.js to render accessible static HTML aligned with GDS.
- Authored Cypress E2E tests to verify cross-service integration and Jest TDD unit tests.
- Instrumented services with Application Insights for metrics and diagnostics.
- Prototyped React and Redux frontends integrating with REST APIs.

Senior JavaScript Full-Stack Developer

Apr 2022 – Apr 2023

Hargreaves Lansdown · Spidermail Team · Bristol, UK

Developed microservice APIs with Fastify and Sybase integration for internal Spidermail tooling, deployed on Kubernetes.

- Built Node.js REST APIs using Fastify backed by Sybase ASE via ODBC connections.
- Deployed containerised services to Kubernetes within a microservice architecture.
- Implemented snapshot-based Jest tests and Axios/docker-compose integration tests for TDD.
- Generated OpenAPI/Swagger documentation using fastify-swagger.
- Worked with GitLab CI runners to deliver reliable CI/CD pipelines.

Senior JavaScript Full-Stack Developer

Feb 2022 – Apr 2022

Department for Work and Pensions (DWP) · Compensation Recovery Unit (CRU) · Manchester, UK

Contributed to CRU services using Node/Nunjucks frontends with Azure AKS and AWS in a microservice environment.

- Developed Nunjucks-based Node.js frontends rendering static HTML for GDS-aligned accessibility.
- Worked with microservices running on Azure AKS, Helm and AWS-backed infrastructure.
- Implemented SAML-based SSO via Azure Active Directory and passport-saml.
- Authored Cypress integration tests and Jest unit tests using a TDD approach.
- Exposed Prometheus metrics endpoints from Node containers for observability.
- Implemented feature toggles for authentication behaviour between environments.

Senior JavaScript Full-Stack Developer

Jun 2021 – Feb 2022

HM Passport Office · Lost, Stolen & Recovered Passports (LSR) · London, UK

Delivered Node/Nunjucks frontends and AWS serverless backends for the LSR passports service.

- Used AWS Lambda, S3 and SQS (via LocalStack for local dev) in a microservice/serverless architecture.
- Rendered accessible static HTML using Nunjucks templates on a Node.js backend.
- Integrated GraphQL APIs to fetch only the required data for UI flows.

- Implemented Cypress E2E tests and Prometheus metrics exposure for Node containers.
- Used Redis to provide sticky sessions across load-balanced containers.
- Processed XML within Node.js and stored passport data securely in S3.
- Implemented SSO authentication using Keycloak.
- Practised Jest-driven TDD for core flows.

Senior JavaScript Full-Stack Developer

Feb 2021 – May 2021

Cabinet Office · Public Appointments Policy Team (PAPT) · London, UK

Led Node/Express and Nunjucks development in a 12-Factor monorepo, integrating with an ATS and Redis/PostgreSQL.

- Set up a Lerna-based monorepo aligned with 12-Factor principles.
- Integrated a third-party Applicant Tracking System into a Node backend, persisting data in Redis and PostgreSQL.
- Rendered accessible Nunjucks templates in Node.js for front-end flows.
- Containerised services and wrote E2E tests with docker-compose, Jest, Cucumber and Puppeteer.
- Implemented GitHub Actions pipelines for publishing packages and Docker images (GHCR).
- Created a React/Redux admin dashboard proof of concept for ATS management.

Senior JavaScript Full-Stack Developer

Dec 2018 – Dec 2020

HM Courts & Tribunals Service · Ministry of Justice · London, UK

Core engineer on Judicial Reform applications, integrating multiple HMCTS microservices into a secure Node/Angular platform on Azure.

- Integrated various HMCTS microservices into a consolidated Node.js/Express API layer for the Judicial Reform application.
- Secured the REST API using appropriate caching headers and Helmet configuration.
- Built Angular 7 frontends with NgRx and server-side rendering for stateful UIs.
- Implemented OTP and JWT-based authentication across frontend and API layers.
- Deployed to Azure using Terraform, Jenkins and Kubernetes with multiple preview environments.
- Optimised microservice API calls with caching and authorisation-based call limiting.
- Improved observability and debugging via kubectl, IISNode logs and better structured logging.
- Explored serverless options and built an OAuth/OpenID Connect Node library for the platform.

Senior JavaScript UI Developer

Oct 2018 – Nov 2018

GE Energy Power Conversion · Livingston, Scotland, UK

Worked on an Angular-based, real-time historical network viewer using HTML5 Canvas and Kafka.

- Implemented real-time visualisations on HTML5 Canvas for the Historical Network Viewer using Angular 6.
- Optimised rendering calculations and Canvas performance for large network graphs.
- Used Apache Kafka and Node.js in the data pipeline for streaming data.
- Mentored junior developers and collaborated closely with Product Owners and QA.

EARLIER CAREER

Senior JavaScript UI Developer, Parexel

Jun 2017 – Jul 2018

Frontend Developer, MMT Digital

Mar 2017 – Jun 2017

JavaScript Full-Stack Developer, Red Box Recorders

Nov 2016 – Feb 2017

Senior Frontend Developer, RS Components

Apr 2016 – Oct 2016

JavaScript Applications Developer, British Gas

Mar 2016 – Apr 2016

Senior Frontend Engineer, Slimming World

Oct 2015 – Feb 2016

JavaScript / AngularJS Web Developer, William Hill

Jun 2015 – Sep 2015

Web Developer, Savvy Creative

Apr 2015 – May 2015

Web Developer, Carphone Warehouse Online Solutions

Apr 2013 – Nov 2014

Contract JavaScript Web Developer, Frogtrade

Nov 2012 – Feb 2013

Contract PHP Web Developer, Leeds Metropolitan University

Jul 2012 – Nov 2012

Senior JavaScript Web Developer , Frogtrade	Aug 2011 – Jul 2012
Web Developer , 9XB	Jan 2011 – May 2011
Technical Development Executive / Senior Web Developer , ImJack / Wamey	Sep 2008 – Nov 2010
Web Designer & Programmer , Mezzo Studios	Aug 2007 – Aug 2008

EDUCATION

BSc (Hons), Computer Science (Artificial Intelligence route) (2:1) Sep 2001 – Jun 2005

Nottingham Trent University

Final year project: Automated Parts-Of-Speech (POS) Tagging using Dynamic Recurrent Neural Networks (DRNN)

A Levels Sep 1999 – Jun 2001

Dixons City Technology College (Bradford)

Mathematics – C · Physics – C · Chemistry – D

GCSEs Sep 1997 – Jun 1999

Shaw House School (Bradford)

Mathematics – A · English Language – B · Information Technology – A · English Literature – B · Chemistry – B · Art – C · Biology – B ·

French – D · Physics – C · Religious Education – E

WHAT COLLEAGUES SAY

"I had the pleasure of working with Pardeep while at HMCTS, he went above and beyond to deliver key metrics. I would without a shadow of a doubt love to work with him again."

Mohammed Lala, Technical/Solution Architect & Technical Lead

"I had the pleasure of working with Pardeep while contracting. He's a natural developer; keen to continuously learn and try out new tech, and has a wide range of full stack experience which he draws off for architectural undertakings."

Andrew Charnley, Full-Stack Developer & Application Architect

"Pardeep has proven to be an invaluable member of the team with a huge amount of invaluable experience, he has a very deep knowledge and can handle himself in an array of challenges."

Richard Bagshaw, Web Developer

Further references available upon request.

INTERESTS

Gardening · Music & Jamming · Reading & Writing · Open Source · Football & Basketball · Swimming & Gym · Snooker & Pool · Programming & Game Development