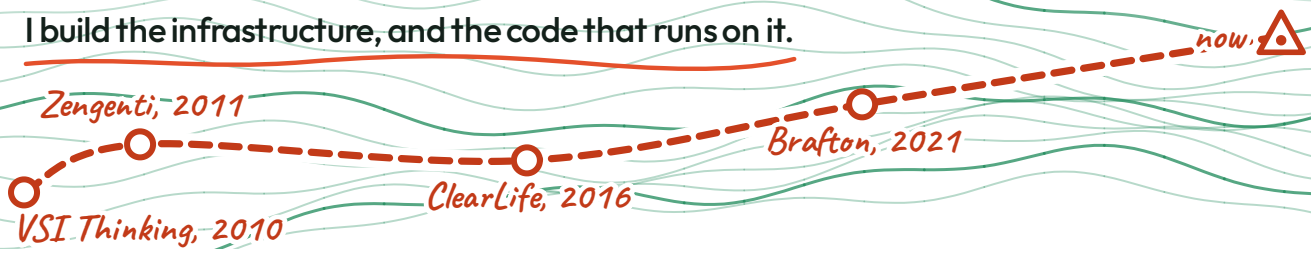
CURRICULUM VITAE

Brett Jenkins

SENIOR FULL STACK AND DEVOPS DEVELOPER

I build the infrastructure, and the code that runs on it.

brett@brettjenkins.co.uk
brettjenkins.co.uk
github.com/brettjenkins
Herefordshire, UK

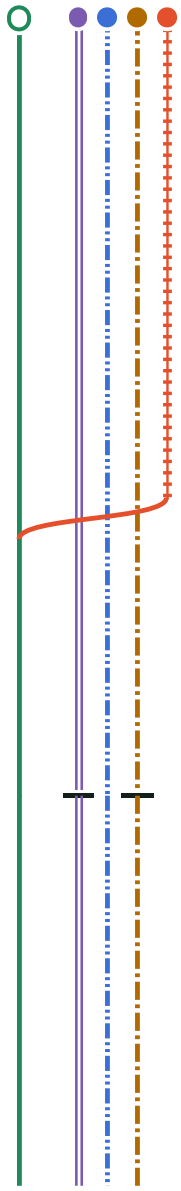


Writing code since 2001, self-taught as a teenager in my bedroom. Professionally since 2010, across the whole stack: from the front end, through the back end, to the infrastructure underneath, sometimes owning all three at once.

EXPERIENCE

Each line is an area of my work. It branches off .NET where I took it on and rejoins where I stopped. A mark across a line shows a technology changing or being added, and a dot marks each job that used it.

.NET · Front end · Data · CI/CD · Cloud · AI agents



Brafton `current`

Apr 2021 – now

Senior Architecting Developer

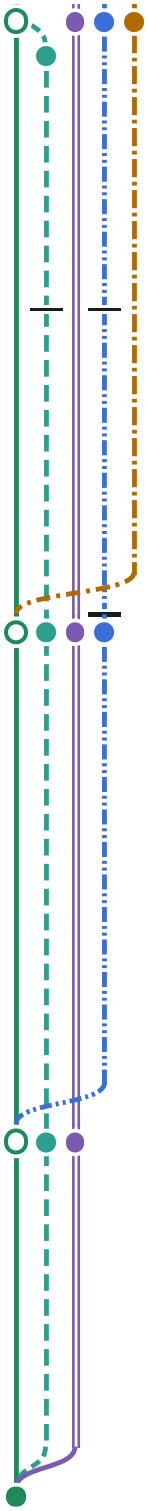
.NET	C# microservices
Data	MongoDB including vector search, DynamoDB
CI/CD	GitHub Actions reusable workflows across dozens of repos
Cloud	AWS SQS, Parameter Store, Route 53, Serverless Lambda with provisioned concurrency, EventBridge, API Gateway WebSockets, Terraform
AI agents	AI agents since around 2023; MCP server for the public API
	also Git, Stripe subscriptions, Zapier public API integration

- Write and maintain C# microservices on AWS Lambda, including provisioned concurrency, on a fully serverless estate with no servers of its own, and extend it in Terraform.
- Led and built, end to end:
  - The whole subscriptions microservice behind Brafton's SaaS, Stripe integration included.
  - The public API, with a Zapier integration and an MCP server that lets AI assistants use it.
  - Agents that write, review, test and verify the team's code, then see it through CI.
  - Serverless WebSockets through API Gateway.
  - Brafton's EventBridge implementation.
  - Brafton's EventBridge implementation.
  - Reusable GitHub Actions, now used by dozens of repos across the estate.
- Owned several other projects, down to the Angular libraries the front end uses to call them.
- Part of the team building agents for Brafton's users since around 2023, on in-house AI frameworks built on existing models.

TECHNOLOGIES OVER TIME

.NET	VB.NET 2010–2014 → C# 2014–now
Front end	WebForms 2010–2020 → Vue.js 2020–2021
Data	MSSQL 2010–2021 → MongoDB 2021–now + DynamoDB 2021–now
CI/CD	Bamboo 2011–2016 → CodePipeline 2016–2020 → GitHub Actions 2020–now
Cloud	AWS 2016–now + Serverless 2021–now + Terraform 2021–now
AI agents	AI agents 2023–now

Also used: Git, Ansible, jQuery, Stripe, Zapier. **At home:** Kubernetes with Flux, Linux servers, Home Assistant.



ClearLife

Dec 2016 – Apr 2021

Senior Developer

.NET	C♯
Front end	WebForms until 2020, Vue.js from 2020
Data	MSSQL
CI/CD	CodePipeline and CodeBuild until 2020, GitHub Actions from 2020
Cloud	AWS CodeCommit, CodeDeploy, EC2, Lambda
	also Git (moved from Subversion), jQuery

- Pitched, designed and built continuous integration with automatic deploys to a test environment, on AWS and tied into Jira for release versioning. Later moved it to GitHub Actions.
- Migrated the codebase from Subversion to Git and trained the team.
- Built a Microsoft Teams incident bot, inspired by Monzo's, designed to run incidents and keep the company informed.
- Rebuilt the ClariNet LS permissions system for fine-grained control.
- Integrated jExcel (a JavaScript spreadsheet library), maintained a fork and sent the improvements upstream.

Zengenti

Dec 2011 – Nov 2016

Software Developer

.NET	VB.NET and C♯
Front end	WebForms
Data	MSSQL
CI/CD	Bamboo
	also Git (moved from Subversion), Ansible

- Lead developer on Pearson's Think Future, a Professional Services build that connected young people with careers advisers.
- Developed the core Contensis product and shared ownership of its Bamboo CI with a colleague.
- Led the move from Subversion to Git and defined the branching model.
- Wired the build status into Hue bulbs, so the office could see a broken build from across the room.
- Presented Contensis features at user groups and at Zengenti's Rocket conference.

VSI Thinking

Jun 2010 – Dec 2011

Web Developer

.NET	VB.NET
Front end	WebForms
Data	MSSQL
	also jQuery

- Built client sites end to end, from Photoshop designs to VB.NET, for Thomas Cook, Quanticate and Celtic Manor ahead of the 2010 Ryder Cup.
- Converted Thomas Cook's Brochure Store from single-brand to multi-brand with minimal downtime.
- Built Quanticate's helpdesk and payment gateway systems.

SIDE PROJECT

built on the side, sold for real

TidyLabs

A one-person software studio in Herefordshire. tidylabs.co.uk

seemy.beer. A live tap sign for PerfectDraft beer machines, sold on subscription. I built all of it: hardware and firmware you flash from the browser, the back end and billing, a keg price tracker and a discount-codes board, with the cloud side serverless on Cloudflare Workers and managed in Terraform.

EDUCATION

Swansea University 2007 – 2010
BSc (Hons) Computer Science

AWARDS

Student Radio Association
Silver, Best Technical Achievement, 2009 and 2010; Most Dedicated Student, 2010