

CHRIS BELLEW

FRONTEND | BACKEND | MACHINE LEARNING

0406 082 011
cjbellew@gmail.com
Born 1986

chrisbellew.me
github.com/chrisbellew
linkedin.com/in/cbellew

PERSONAL PROJECTS

2016 – 2018 (1500 hours)

Deepflow

A project with two ex-colleagues to build a realtime aggregation and visualization platform for the oil & gas industry. Built cloud-native backend and frontend applications with realtime time series data streaming.

C# .NET Core, TypeScript, Cassandra, AWS, pub/sub, DSL parser

2015 (500 hours)

IcarusTrader

A solo project to try to model and predict the behavior of the currency markets. Built a trading simulator and tried to maximise the profit of a series of buy/sell trades.

Implemented dozens of market indicators and built a genetic algorithm from scratch to optimize the parameters using chromosomal breeding and mutation.

.NET

2015 (100 hours)

JobSpawn

Built a tool to run arbitrary code on remote infrastructure using reflection.

.NET, reflection, MSIL generation

SKILLS

LANGUAGES

C#, TypeScript, JavaScript, Python, Java, HTML

FRONTEND TECHNOLOGIES

React, Angular, Redux, Webpack, d3, three, Sass, WebSockets

BACKEND TECHNOLOGIES

.NET Core, Node.js, Docker, Entity Framework, SQL Server, Cassandra

CLOUD TECHNOLOGIES

EC2, ECS, Fargate, Lambda, S3, Kinesis, Dynamo DB, RDS, Cloudfront, EBS, EFS, Route 53, Azure App Service, Functions, Blob Storage, Azure Redis

CONCEPTS

Containerisation, Load Testing, Certificates, CDNs, Identity Providers, Immutability, Idempotency, Concurrency, Statelessness, CAP Theorem, Determinism, Caching

EDUCATION

2008 – 2010

Software Engineering (BSc) / Distinction

Curtin University

EXPERIENCE

Apr 2018 – Present (9 months)

Machine Learning Engineer / Spookfish (now Eagleview)

As the first engineer in the new R&D department, researched and prototyped new products using the latest computer vision techniques and advised management on strategic direction.

Python, Tensorflow, AWS, TypeScript, React, HTML, object detection, semantic segmentation, 3D reconstruction, image registration

2016 – Apr 2018 (2 years)

Full Stack Web Developer / Spookfish (now Eagleview)

Built applications and APIs for mapping services. Fully involved in development and dev-ops from pre-launch to 1000+ users post launch. Built modern mapping interface and accounts portal.

C# .NET Core, TypeScript, AWS, Azure, React, Angular, HTML, SQL Server, continuous integration, automated testing, containerization, load testing, availability testing, incident alerting, mapping, validation, live testing

2010 – 2016 (6 years)

(Senior) Software Engineer / ISS Group (now P2)

Built applications and APIs for the oil & gas and mining industries. Software engineer for 5 years. Senior software engineer for 1 year.

EXPLORER (3 years)

Dashboard platform for industrial equipment. Built WYSIWYG drag-and-drop designer interface with realtime charting.

C# .NET, JavaScript, Silverlight, HTML

SENTINEL (3 years)

Near-realtime event detection engine. Frontend and backend development.

C# .NET, Silverlight

REFERENCES

Scott Gerring

Web Team Lead / EagleView Australia
0410 823 898

Paul Tetley

General Manager of Development / Eagleview Australia
0411 869 653

Thomas Tadrowski

General Manager of R&D / Eagleview Australia
0421 326 262