

Christopher Auret
FULL-STACK ENGINEER
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PROFILE

Full-stack software developer with over 16 years of commercial experience building business and web applications using .NET and open-source tech stacks. I specialise in all areas of software development having worked globally in a variety of sectors including enterprise clients, financial services, start-ups, and digital agencies.

I apply pragmatic use of software development best practices such as design patterns and SOLID principles to develop decoupled, cohesive and maintainable systems. I look to find simple, and efficient solutions to complicated business problems. I'm an excellent communicator with a clear understanding of the software development process. Passionate about finding elegant solutions to complex problems and thrive in collaborative Agile environments.

SKILLS SET

C#, .Net Core, Web API	5	React, NextJs, Redux	5
Entity Framework	5	Typescript	4
RabbitMQ, Azure Service Bus	4	HTML 5, CSS	4
ElasticSearch, Redis	5	TeamCity, Octopus Deploy	4
PostgreSQL, T-SQL, MongoDB	4	Figma, Jira, Scrum	5

EXPERIENCE

Bluewater Control

Permanent Role, SaaS

September 2019 - January 2024

Worked closely with product managers and the architect to rebuild the legacy monolith platform into a new scalable microservices solution. This was a multi-tenanted SaaS solution used by Telstra Partners and roughly 400 clients. This involved collaboration between Sydney and Sofia, Bulgaria teams.

Backend was developed with .Net Core API as microservices with an API gateway and used Postgres databases. Cross-domain communication was asynchronous using message

queues. Entities were indexed in ElasticSearch for fast querying. Structured logging was implemented using Kibana. I developed highly customised and reusable Material UI components used in the NextJS framework. All features went through comprehensive test coverage and strict code review practices.

My role encompassed delivering high quality backend and frontend services as well as supporting junior/mid colleagues and performing code reviews.

I also maintained and supported the existing monolith, where I added core new features used to refresh the platform, strengthening its competitive position.

Tech Stack: *Microservices, .Net Core, NextJS, ReactJS, ElasticSearch, PostgreSQL, Azure, Scrum*

Recreo Financial Technologies

Contract Role, Financial Services

May 2019 - September 2019

Brought onboard to help clear backlog and UAT issues to enable product to meet delivery deadline. Superannuation software for the mining industry.

Tech Stack: *C#, AngularJS, T-SQL Web API, WCF, AWS, Docker*

Whitecoat

Contract Role, Financial Services

March 2018 - March 2019

I created a healthcare practitioner directory - whitecoat.co.nz. The website improves transparency of healthcare practitioners to patients in New Zealand by allowing them to publically review the service they received.

I created services to manage surveys and reviews sent out to users over email or SMS. I also created services to securely ingest customer data files sent from various healthcare providers. Rejected records were sent back to the customer.

Tech Stack: *.Net Core 2.1, Angular 5, Typescript, AWS, T-SQL, Entity Framework, HTML5, CSS, TeamCity, Octopus Deploy, CI, JIRA, SCRUM, Docker.*

Object Consulting

Contract Role, Agri-tech

April 2017 - December 2017

Working for a client in the agri-tech industry I created microservices APIs for the National Livestock Identification System. This software tracks the complete lifecycle of cattle, their movements, and their health history on Australian farms. The system was a re-implementation of their legacy monolithic software.

Tech Stack: *C#, .Net Core, Web API, RabbitMQ, Microservices, Swagger, Consul, Entity Framework, Docker*

SAI Global

Permanent Role, Financial Services, Sydney

November 2012 – January 2017

I worked with a team of developers to create a web-based property management application which allowed banks, solicitors, and homeowners to participate together to execute, amend, and track settlement transactions between all parties from start to finish. The application was developed using Domain Driven Design principles and was integrated into the company's existing set of applications through the use of messaging via RabbitMQ.

I led the client side development using JavaScript technologies such as KnockoutJS, and Grunt.

Daily BAU tasks for maintaining a large suite of existing and legacy systems.

Tech Stack: ASP.NET/MVC, WCF, T-SQL, nHibernate, Entity Framework, ES5, AJAX, jQuery, JSON, KnockoutJS, RequireJS, Nuget, TeamCity, Octopus Deploy, CI, Git, SSIS/SSRS, JIRA, Scrum.

Community Engine

Permanent Role, Tech Start-up, Sydney

September 2011 – September 2012

I helped develop the Community Engine platform which was a cloud-based, social, and e-commerce platform. It offered a rich social interaction between users, local businesses, local community groups and places. I worked in the Presentation Team which was responsible for all the rich, interactive components of the website (ASP.Net MVC, jQuery, templating, unit tests).

I also created an app to continually generate/update over 1.5 million sitemap URI's. I also created an automatic documentation tool to inspect our API in order to generate the documentation dynamically complete with JSON request/response examples. I added full-text searching and boosting using SOLR. I added social integration using Facebook and Twitter API's.

Kanban methodology was used to orchestrate the delivery of sprints every two weeks. I would provide estimates for sprints. Code adhered to code reviews before being pushed.

Tech Stack: ASP.NET MVC 4.0, ASP.Net Web API, WCF, Nuget, ES5, jQuery, JSON, HandlebarsJS, MongoDB, SOLR, TeamCity, Kanban, JIRA, Facebook API, Twitter API, Open Graph Protocol, CI.

EzyPay

Permanent Role, Financial Services, Sydney

October 2010 – September 2011

I was sponsored to help this company in the delivery of a greenfield project to replace much of their existing legacy systems. The project was a new in-house accounting management system to enable them to accurately track and manage the daily direct-debits and billing of their customers.

Maintained existing ASP.NET applications which included bug fixing bugs and adding enhancements managed by the backlog in JIRA.

Tech Stack: ASP.NET, ASP.NET MVC 2, CSLA.NET, nHibernate, WCF, Web Services, T-SQL, AJAX, jQuery, CC.NET, JIRA, SCRUM

Careers24

Contract Role, Recruitment Portal, Cape Town

July– October 2010

I implemented the search functionality for this recruitment website. I achieved this by adding Apache SOLR which is an open source enterprise search platform with a REST-like API. I also added social media integration to Twitter and Facebook for automatic posting of new job listings.

Tech Stack: ASP.NET, T-SQL, jQuery, SOLR, TFS

EHS Brahn

Contract Role, Digital Agency, London

March – May 2010

Client: Peugeot UK. I was able to deliver a successful digital campaign under very tight deadlines for the Peugeot UK brand. Using ASP.NET, jQuery, Facebook API, and SQL Server, I developed a website for the launch of the Peugeot RCZ car in the UK in under 5 weeks. The website handled around 50000 participants. Developed in time for a nationwide advertising campaign for TV and radio.

I also developed the website for the UK government's Information Assurance conference. Content for the site was managed by a custom CMS which I developed.

Tech Stack: ASP.NET, T-SQL, jQuery, CSS, Facebook API, TFS, SCRUM

Global Vision

Permanent Role, Software House, Cape Town

April 2005 – May 2008

I worked as an intermediate developer for this leading Cape Town based software development house. I gained valuable experience being involved in multiple stages of the project life cycle from planning to completion, offering advice and liaising with internal teams. My duties also included the design, development, release, and maintenance of windows and web applications for the company and a variety of their local and international clients.

Tech Stack: C#, ASP.NET, WinForms, T-SQL, ETL, SSIS, JavaScript, AJAX, Web services, Multithreading, CSS, TFS, PHP, SCRUM

State Information Technology Agency

Internship Role, Software House, Cape Town

November 2004 – March 2005

Dot Navy – As part of an internship I assisted in the development of a web-based personnel system for the South African Navy. My duties involved developing data validation components (JSP, Servlets) that were pluggable into the applications development framework of the system.

Tech Stack: Java, JSP, Servlets, Struts, Oracle 9.i

EDUCATION

- Bachelor of Technology - Information Technology: Cape Peninsula University of Tech, 2004
- National Diploma Information Technology: Cape Technikon, 2003
- Certificate in web programming with Active Server Pages 2.0, 2000

- Wynberg Boys' High, 1999

INTERESTS

I enjoy rugby union, CrossFit, running, squash, and drinks after work with colleagues. I enjoy keeping up with developer trends, following techie blogs and experimenting with new technologies and ideas.

REFERENCES

Available on request.