

Curriculum Vitæ of Benjamin James New

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Profile

I am a passionate software professional with nearly twenty years of industry experience, and further personal experience, in all aspects of software and web development. I am a technical leader, mentor and community-minded contributor of knowledge and experience with strong communication and interpersonal skills, able to work independently and in a team. I have extensive experience in cloud and serverless architecture and development, primarily with Amazon Web Services (AWS) but also Microsoft Azure. I have been using JavaScript since the 1990s and it is my preferred tech stack, including TypeScript, NodeJS, Babel, Webpack, Vue, React, npm, yarn, mocha, jest, and so on. I am also proficient in a wide range of other languages, frameworks and tools across the whole software development life cycle, including IDEs, repositories, CI/CD, APIs, SDKs, testing and test automation tools, data management and migration tools, and integration tools.

Skills Summary

Level: Familiar · Proficient · Expert

Skill	Level	Years used	Last used
Amazon Web Services (AWS)	Expert	11	current
Microsoft Azure	Proficient	3	current
Serverless architecture	Expert	6	current
Event-driven architecture	Expert	7	current
Microservices architecture	Proficient	5	current
C4 Model architecture	Familiar	<1	2020
JavaScript & TypeScript	Expert	>20	current
NodeJS	Expert	10	current
Web foundations — HTML, CSS, HTTP, TLS	Expert	>20	current
Web APIs — REST, WebRPC, GraphQL, OData	Expert	13	current

Skill	Level	Years used	Last used
Web frontend — React, Vue, Knockout, Durandal, jQuery, DHTML	Expert	>20	current
C#, .NET, .NET Core	Proficient	15	current
Java, J2SE, J2EE	Proficient	>20	2019
PHP	Familiar	11	2018
Python	Familiar	5	2018
Object / document databases — DynamoDB, MongoDB, CosmosDB	Expert	8	current
Relational databases — MySQL, PostgreSQL, SQL Server, Oracle	Expert	>20	2018
Linux & UNIX operating systems	Expert	>20	current
Networking — TCP/IP, UDP, HTTP, DNS, etc	Proficient	>20	current
Internet of Things	Familiar	3	2017
Continuous Integration & Delivery (CI/CD) — AWS CodePipeline, Azure DevOps, GitHub, Gitlab	Proficient	8	current
Data migration & ETL tools	Proficient	7	2019
Documentation & developer documentation, user guides, knowledge bases, wikis	Proficient	>20	current

Education & Certifications

Achievement	From	Year
Bachelor of Science (Computer Science)	Murdoch University	1998
Solutions Architect - Associate	Amazon Web Services	2018
Professional Scrum Master PSM-I	Scrum.org	2018

Community Involvement

- Organiser of Perth Serverless meetup
- Presenter, volunteer and attendee at software conferences including DDD Perth
- Volunteer at NodeGirls (Muses) Perth and other community mentoring events
- Top 10% contributor on Stack Overflow as at May 2019
- Contributor to open source software repositories on GitHub (profile) and Gitlab (profile).

Employment History

Role	Company	From	Until	Skills
Senior Consultant	Readify / Telstra Purple	Jan 2018	current	AWS · Azure · Serverless · cloud architecture · enterprise architecture · NodeJS · C# · .NET · DynamoDB · CosmosDB · web UI · React · Vue · git · Agile · DevOps
Technical Lead	Gaia Resources	Dec 2013	Jan 2018	AWS · Serverless · cloud architecture · NodeJS · PHP · MySQL · DynamoDB · MongoDB · Knockout · Durandal · git · Agile · DevOps
Developer (contract)	Cash Converters	Jun 2013	Dec 2013	PHP · LAMP · MySQL · C# · .NET · Azure · web UI · Knockout · JavaScript · git · Agile · DevOps
Owner Operator	Leftclick.com.au	Jan 2011	Jun 2013	AWS · PHP · LAMP · NodeJS · MySQL · Web UI · jQuery · JavaScript · svn · Agile · DevOps
Head of Digital and Senior Web Developer	Workhouse Advertising	May 2010	Dec 2010	PHP · LAMP · MySQL · Postgres · JavaScript · Web UI · jQuery · svn · Agile · DevOps
Application Developer (contract)	Stella Travel Solutions	Nov 2009	Mar 2010	C# · .Net · SQL Server · JavaScript · Web UI · PrototypeJS · svn
Web Application Developer (contract)	Living Years	May 2009	Oct 2009	AWS · PHP · LAMP · JavaScript · Web UI · svn

Role	Company	From	Until	Skills
Java/Web Developer (contract)	Bank of Western Australia	Oct 2008	Mar 2009	Java · JavaScript · Web UI · svn
Java/Web Analyst / Programmer (contract)	Western Power	Nov 2007	Oct 2008	Java · Struts · JSF · JavaScript · Web UI · web services · WebMethods ESB · svn
Java/Web Developer (contract)	Landgate	Mar 2007	Oct 2007	Java · JavaScript · Web UI · Lotus Notes
Senior Software / Systems / Support Engineer	ADI Limited / Thales Australia	Apr 2004	Dec 2006	Java · Struts · JSP · Hibernate ORM · Oracle · Web UI · svn
Owner Operator	Leftclick.com.au	Nov 1998	Feb 2004	Java · JavaScript · Perl · web UI · Oracle

Recent Role Details

Readify / Telstra Purple

Senior Consultant

Jan 2018 — present

Role Description

At Telstra Purple (formerly Readify), I lead teams to solve problems and deliver value to clients across a range of business domains, technologies and skill sets. The company has a strong history with Microsoft technology, and I was recruited in order to build an AWS capability within the Perth team to diversify their offering. I have been instrumental in this initiative through organising and facilitating group PD and training, and promoting AWS training and certification within the team.

Responsibilities

- Cloud-based application and enterprise architecture
- Full software development life cycle delivery responsibility
- Team leadership
- Consulting with client leadership including C-level
- Mentoring, both other consultants and client team members

Skills / Technologies

- Amazon Web Services, Microsoft Azure
- Serverless
- NodeJS, JavaScript, TypeScript
- C# / .NET / .NET Core
- Java
- Web UI, React, Vue
- REST, GraphQL, OData
- Agile, Scrum, Kanban, DevOps
- Git, CI/CD

Key Projects / Achievements

- Developed the consultancy's AWS presence from zero to successfully completing multiple AWS engagements
 - Led a lighthouse squad engagement demonstrating best-of-practice to a larger, corporate client team
 - Creation of an Enterprise Architecture and Reference Architecture providing a technical roadmap for a large, Commonwealth government organisation
 - Development of several custom software solutions including cloud applications, web applications, APIs and data migrations
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Gaia Resources

Technical Lead

Dec 2013 — Jan 2018

Role Description

Gaia Resources is a consultancy specialising in biological and environmental science applications. I worked solo and leading teams to architect, build and deliver a large range of projects, including collection management software, data analysis tools, and custom web applications for clients in this and related fields. I was also instrumental in converting the company from running its own servers to using cloud services almost exclusively, as well as introducing Scrum as a company standard, and initiating the creation of an -as-a-Service offering for collection management.

Responsibilities

- Technical leadership of the consultancy
- Establishing best practice and mentoring other consultants
- Cloud and serverless application architecture
- Engagement with clients across many projects

Skills / Technologies

- Amazon Web Services, Microsoft Azure
- Serverless
- NodeJS, JavaScript, TypeScript
- Web UI, Knockout, Durandal
- PHP, MySQL, LAMP
- Agile, Scrum, Kanban, DevOps
- Git, CI/CD
- Collection management

Key Projects / Achievements

- Conversion of the consultancy from on-premises traditional infrastructure to a fully cloud-based operation
 - Implementation of agile methodologies across the consultancy
 - Improvement of company processes and infrastructure to assist in faster, more agile delivery
 - Delivery of many collection management integration projects for large, public, state and national museums and institutions
 - Architecture, development and delivery of many custom software projects
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Cash Converters

Developer (contract)

Jun 2013 — Dec 2013

Role Description

In this brief contract role, I worked on two separate platforms: the PHP-based web store application, and the newer, .NET-based online loan application. In both of these roles I worked closely with business and management representatives to refine requirements and ensure successful delivery. I also mentored other team members on JavaScript and frontend development.

Responsibilities

- Software design, development and testing

Skills / Technologies

- Microsoft Azure
- .NET, C#
- PHP, MySQL, LAMP
- Web UI, Knockout
- Agile, Scrum, DevOps
- Git, CI/CD

Key Projects / Achievements

- Development and maintenance of the web store application
 - Development of a new online loan application
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Leftclick.com.au

Owner Operator

Jan 2011 — Jun 2013

Nov 1998 — Feb 2004

Role Description

During these two periods (see below for intervening roles), I operated a freelancing business, engaging with many clients including large corporations, government organisations and small-medium enterprises. I was solely responsible for the full software delivery process, including pre-sales, architecture, development, testing, integration and account management. During this period, I developed a detailed software development methodology and several different tools including a custom content management system, in addition to fulfilling client requirements.

Responsibilities

- Complete business management, including marketing, sales and account management
- Full software development life cycle responsibility, including architecture, development, testing and integration
- Client expectation and schedule management
- Leadership of several different small development teams for larger projects

Skills / Technologies

- Amazon Web Services, VMware
- NodeJS, JavaScript, TypeScript
- Web UI, jQuery, Knockout, Durandal
- PHP, MySQL, LAMP
- Agile, Kanban, DevOps
- Git, Subversion, CI/CD

Key Projects / Achievements

- Development and delivery of a corporate insurance management system
 - Development and delivery of a corporate risk management system
 - Development and delivery of many websites and online stores
 - Development and delivery of a custom reverse auctioning platform
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