ADAM JOHNSTONE

Senior Software Engineer | B.COMP

ABOUT ADAM

As a tertiary qualified Senior Software Engineer with 10+ years combined experience working in a range of industries including Government, Finance, Banking, Construction, Services, Finance and Tech. Startups, Adam is interested in taking the next step in his career and applying for the role of Senior Software Engineer- Azure Core Trusted Platform at Microsoft. Adam is highly strategic and confident in developing teams to execute on a company's vision, technology strategy and solution architecture that aligns with company objectives.

With a collaborative team spirit, Adam remains at the forefront of emerging technologies to ensure that the client experience is paramount on the front end, while maintaining a robust and scalable backend built for purpose and with IT security in mind.

</> https://www.adamjohnstone.co

✉ ajjoh5@gmail.com

📞 ...

🗺 Ascot Vale, 3032

in .../adamjohnstone101

TOOLS & TECHNOLOGIES

Front-end skills:

- **Frameworks:** Vue.js, React.js, jQuery, HTML5 components, Typescript, Javascript, Astro.js, Next.js, Nuxt.js
- **.NET specific** - .NET Core, Razor views
- **Version Control:** GitHub, Azure DevOps, JIRA, Bitbucket, Jenkins
- **Security:** Successful integrations with Auth0, Microsoft 365
- **State Management:** Redux, Nanostores, Zustand, Pinia, Jotai
- **Game development:** HTML5 & Canvas web game dev, Three.js
- **Design systems:** CSS, SCSS, Tailwind, Bootstrap, ChakraUI
- **Design applications:** Figma, Adobe XD, Lucidchart, Lucidspark

Back-end skills:

- **Frameworks:** C# ASP.NET, IIS, .net Core, Kestrel, Node.js, Bun, Express.js, Elysia, Hono
- **API Development:** RESTful and web API's, JSON, GraphQL, Zod schemas, Swagger, Microservices architecture, Kubernetes
- **Cloud:** Microsoft Azure, Digital Ocean, Amazon AWS cloud infrastructure, Docker & containerised apps, cloud deployments, cloud databases (all SQL & NoSQL)
- **Databases / Cache / Job Q:** Microsoft SQL Server, PostgreSQL, MySQL & MariaDB, SQLite, MongoDB, Redis, RabbitMQ, Azure Q
- **Servers:** Windows Server & IIS, Linux Server (Ubuntu, etc) & nGinx
- **Security:** OAuth

Other related:

- CI/CD, GitHub, PRs / Merge Management, Postman, GitHub Copilot, Microservices architecture, ChatGPT code, JSON, XML, JIRA, Notion
- Microsoft SharePoint, Power Automate, PowerBI, Plumsail Forms, Nintex Workflows

ADAM JOHNSTONE

Senior Software Engineer | B.COMP

EXPERIENCE

SENIOR SOFTWARE ENGINEER | LEAD FULLSTACK DEVELOPER

EIA Investments | Melbourne | October 2022 – Current

As the Senior Software Engineer in a multifaceted role that required a high level of technical expertise and innovative thinking, Adam worked alongside and took direction from the CEO and Head of Product to deliver the 2024 vision on an upgraded digital experience for their customers and AI integration for their suite of products to aid in the onboarding and operations process. This included working on projects for BlueRock Accounting, BlueRock On-Demand, BlueRock Digital, Prime CC (ASIC) and Artificial Intelligence (AI) internal automation products for BlueRock Law and Propella with high levels of creativity, problem solving to create development teams where Adam lead by example, sometimes coding out the required ideal framework / template / stack and mentoring the senior developers to achieve high levels of operational excellence in their coding, testing and completion of tasked hosted in Azure DevOps.

Responsibilities:

- In charge of the development of exciting new digital experiences at EIA for businesses and companies they had invested in using robust Microsoft backend technologies to ensure high uptime & fast request times.
- Leveraging new technologies to creating imaginative digital solutions based on HTML5, Tailwind, CSS animation, Three.js 3D elements & HTML5 Canvas and animation elements.
- Main participate in code reviews to ensure coding standards are followed. We developed and maintained a constant rigour around our "coding style guidelines" to ensure newly onboarded members could also ramp up quickly and adopt standards so PR's were as seemless as possible
- Lead discussions for the architecture of Prime CC's digital products, digital solutions and creating proposals for new solution architecture by testing design hypotheses (analytics & insights) and playing an important role on the new innovation lab setup at BlueRock's 414 Latrobe Street - Technology Hub
- Conducting experimentation and reviews of Azure & opensourced products to leverage as much as possible, without having to "build everything from scratch".
- Collaborating and maintaining the current solution architecture documentation in SharePoint and Notion to ensure all designs were thoroughly designed & documented.
- Led the technology selection process for EIA businesses & projects to ensure a common platform was achieved so that all businesses could leverage existing resources and keep the technology stack to a minimum of variables.
- On call for live service issues arising out of outages or recent releases and late night release management
- Working with external vendors, stakeholders and high level executives to ensure development decisions meet and align with organisational strategic goals.

Achievements:

- MVP rollout of the Lead Advisor Portal, taking 2 weeks of solid development at the start of October 2022 to get a proof-of-concept into the hands of all BlueRock advisors, accountants, lawyers, etc to increase sales visibility and increase bottom line revenue on new leads coming through.
- 10% increase on new customer revenue in first 6 months due to Lead Advisor Portal roll out
- Rescued the Prime Search project and rolled out MVP after 3 months. Project had initially stalled for 12 months due to a vendor dispute, which was quickly resolved through tech. negotiation and a new front end open source technology stack to handle areas of risk

ADAM JOHNSTONE

Senior Software Engineer | B.COMP

SENIOR SOFTWARE ENGINEER

Propella.ai | Melbourne | September 2021 – October 2022

As the Lead Software Engineer, Adam was tasked with bringing a set of R&D products to market to capitalise on revenue opportunities for Propella.ai with their current commercial property customers in the analytics and insights space, while applying a variety of problem-solving techniques to address go-to-market issues with the legacy reports & insights.

Adam worked directly under both founders to help solidify the technology vision and the technology stack to be selected, collaborating with the amazing work already done by their Head of Design.

An MVP was put to market within the first 2 months, further tweaked over 3 months and launched to exclusive customers Lendlease, Mirvac, Stockland & CBRE, showing them their buildings, their tenants office data, reporting on amenity in the close vicinity as well as Helix Persona's for their top 3 tenant employees to allow these companies to further market to and provide better services to their customers to ensure their building tenancy was kept as high as possible during covid and shortly thereafter.

The digital experience was upgraded regularly based on Adam's feedback from product data & analytics, of which the most successful was the development of large touch screens to enable digital activations within commercial buildings, showcasing real time data, insights and decisions based on people movement during the pandemic.

Responsibilities:

- In charge of the development of exciting new web-based digital experiences for Commercial real estate giants Lendlease, Mirvac and Stockland
- In charge of hiring junior developers with both back-end and front-end capabilities
- Leveraging new technologies to creating imaginative digital solutions based on HTML5, Tailwind, CSS animation, Three.js 3D elements.
- Collaborating with the data science and insights team on their newly release algorithms and visualising the results via Chart.js, Three.js and other open source web drawing facilities
- Conducting experimentation and reviews of Azure eg. (Databricks) & opensourced products to leverage as much as possible, without having to "build everything from scratch".
- In charge of maintaining the current solution architecture documentation in Notion to ensure all designs were thoroughly designed & documented – to allow for any and all business acquisition deals to be expedited
- Led the technology selection process for Propella.ai's front end and back end SaaS products to ensure a common platform / technology stack was achieved, keeping variation to a minimum.
- Onboarding, interviewing and workshopping with customers to ensure the user experience was as optimal as possible

Achievements:

- MVP rollout propella.office in 2 months
- UX upgrade for propella.office after 3 months of acceptance from large enterprise customers
- Visualised data from previously shelved algorithms, to bring new features to the propella.ai product suite, adding additional revenue to existing customers
- Launched the new web template / technology stack to meet propella.ai's vision for UX in 2023 / 2024.

ADAM JOHNSTONE

Senior Software Engineer | B.COMP

FOUNDER | LEAD SOFTWARE ENGINEER

iGenius Group | Melbourne | June 2018 – October 2021

iGenius was founded by Adam Johnstone and was his initial first foray into business consulting in the Front-end development and SharePoint online space. While he maintained customers, hired staff and handed over existing business to other companies, the lessons learned here were invaluable.

Adam realised his passion is working as the Senior Software Engineer in exciting digital experiences, not in running a business and managing payroll, legals and other activities that took him away from the work he loved.

Responsibilities:

- Technology leadership and consulting to a range of IT Managers at Government organisations, Councils, Catchment Authorities, Manufacturers and NDIS Healthcare Providers
- Providing insights and recommendations based on the user behaviour data & analytics to large enterprise organisations to help them improve their internal workflows, processes and decrease operational cost

Achievements:

- New branding and UX design for Glenelg CMA intranet and digital workplace solution
- Launch of Glenelg CMA intranet, reducing organisational emails by 40%
- Introduction & rollout of asynchronous conversations to improve "focused work" across 3 CMA's (NGO's) in Victoria, improving reporting delivery timelines from 90 days to 45 days

CHIEF TECHNOLOGY OFFICER | LEAD FULLSTACK DEVELOPER

Quantum Business Consulting | Melbourne | May 2016 – March 2018

Adam's colleague Sean Bastian asked if he could help out in setting up a new business and come on as their group CTO, choosing their technology stack and building client projects as a Lead Fullstack Developer. During this time, Adam discovered that he might be able to run his own consulting business and created iGenius shortly after.

Responsibilities:

- Technology leadership and consulting to a range of IT Managers including Starbucks, Meritor HVS, Henley Homes, T2, ACS Group
- Collaborating with HR team to recruit new junior software engineers, Managing the technology hiring process
- Conducting experimentation and reviews of opensourced products and development to leverage as much new technology as possible, without having to "build everything from scratch".

Achievements:

- 200% decrease in spend on API resources at Henley Homes
- Rescued IT project and delivered outcome in 3 months with ACS Group to migrate hundreds of thousands of Coles employees to the newly selected HR & Payroll system

ADAM JOHNSTONE

Senior Software Engineer | B.COMP

SENIOR SOFTWARE ENGINEER | NODE.JS API DEVELOPER

Henley Homes | Melbourne | June 2013 – May 2016

Responsibilities:

- In charge of the development of the exciting new web-based digital experiences for their display home hubs and "World of Homes" in Berwick
- Collaborating with the Australian Henley CIO to develop a new robust API (C# .NET) infrastructure to meet Henley's 2015 vision of providing access to their core data assets for all upcoming ventures and projects from Marketing, Sales, Operations and Maintenance departments.
- Conducting experimentation and reviews of opensourced products and development to leverage as much new technology as possible, without having to "build everything from scratch".

Achievements:

- Henley Data Assets launched in 2013 (1 year early)
- Built and deployed new Homebuilder App which launched in 2014
- Reduced api downtime to 0 hours – after implementation of fast "proxy api" which helped quickly pivot data resources when required without large deployment planning required

SENIOR FULLSTACK DEVELOPER | SHAREPOINT DEVELOPER

LiveTiles | Melbourne | April 2011 – May 2012

Responsibilities:

- Led the initiation and development of a sophisticated SharePoint front-end Intranet system, enabling staff to autonomously style corporate intranets without a dependency on developers. Executed with C#, .NET, Javascript, and React technologies

Achievements:

- Collaborated on the first version Live Tiles (officially launched in 2014)
- Implemented repeatable deployment processes to speed up new version releases

SHAREPOINT DEVELOPER

SMS Management & Technology | Melbourne | February 2010 – April 2011

Responsibilities:

- Led the initiation and development of a sophisticated SharePoint front-end Intranet system, enabling staff to autonomously style corporate intranets without a dependency on developers. Executed with C#, .NET, Javascript, and React technologies

Achievements:

- Collaborated on the first version Live Tiles (officially launched in 2014)
- Implemented repeatable deployment processes to speed up new version releases

VARIOUS OTHER IT ROLES

Melbourne | January 2007 – February 2010

ADAM JOHNSTONE

Senior Software Engineer | B.COMP

EDUCATION

University
- Bachelor of Computing (completed 2007)

Certificates
- Typescript certified (W3 schools)
- Microsoft Power BI Data Analyst (PL-300)
- JS Game Developer (coopmode.dev)

Course Completions
- Build AI-Powered Apps with OpenAI and Node.js - Initialized (FE Masters)
- Blazingly Fast Javascript – Netflix (FE Masters)
- HTMX & Go – Netflix (Front end Masters)
- Tailwind CSS – Temporal (FE Masters)
- CSS Animations & Transition – Microsoft (FE Masters)
- Enterprise Typescript – Stripe (FE Masters)

INTERESTS

Work related
- Video game development (JS, Godot, Unity)
- Alternative & sustainable energy technology
- AI, Artificial intelligence, GPT's, Midjourney

Sports
- Football
- Travel
- Basketball

REFERENCES

Name	Position	Company	Phone Number
Steve Hunter	Cloud Solution Architect – AI & Data Microsoft	Microsoft	...
Joseph Dagher	APAC IT Director Cummins Group	Cummins	...
Simon Brosolo	Managing Director – Digital BlueRock	BlueRock	...