Bryan Kho

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- 8 years+ experience in software and web development including SaaS, Consultation and Enterprise services
- Industry experience includes marketing, media, financial, geological, and mining disciplines

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Professional Experience

Rio Tinto

Specialist Software Engineer   Sept 2022 - Current

Rio Tinto is a leading global mining group that focuses on finding, mining, and processing the Earth's mineral resources

- Full stack engineer working with data scientist, optimizers and engineers on our scheduling platform
- Build serverless infrastructure using Azure Functions, Kubernetes and Logic applications
- Building and aggregating data pipelines from numerous data sources (Oracle, Service Bus, MSSQL)
- POC and MVP web application development with Python and JavaScript
- Mentoring developers on best practices and advance concepts
- Liaising with stakeholders from Microsoft, BCG, Rio Tinto and help remove blockers on specific enterprise architecture

Senior Software Engineer   June 2021 – Sept 2022

- Lead a small team of engineers with Agile and Scrum practices
- Conceptualised solutions and work items for building up incremental deliveries for teams quarterly key results
- Speeding up the deliveries with new CI/CD toolsets and third-party integrations using Azure Pipelines with regression and automated testing
- Migration of existing F#/C#/JavaScript microservices to Azure cloud and newer enterprise infrastructure
- Guiding developers on software techniques, company specific policies and solutions to sprint deliverables
- Drawing architecture solutions based on requirements, system design, networking, security, and support documentation for Level 1 / 2 Support
- Liaising and providing weekly reviews with stakeholders, business owners and users of applications

Software Engineer   December 2019 – June 2021

- Responsible in maintaining F#, C#, dotnet, JavaScript applications built with SQL Server and HTTP APIs
- Understanding of SSL, IIS infrastructure, group policies, firewalls, enterprise security and windows servers
- Work management with ServiceNow and Change Management ITIL4 practices
- Worked in the POC and POV with RedHat OpenShift utilising Docker and Kubernetes
- Migrating existing CI/CD solutions from Octopus to Azure Dev Ops Pipelines on Cloud and On-Premises Infrastructure
- Implementing integration and unit testing in existing and new code through TDD practices
- Knowledge in enterprise server management such as AD groups, DNS propagation, PowerShell and CMD

Trilogy Education Service (EdX)   August 2019 – March 2020
Instructor

Trilogy Education Services is a workforce accelerator service that partners with University of Western Australia and universities around the world.

- Teaching a class of 25 students part time of the latest technologies as a Full Stack Developer in UWA
- Covering technologies such as HTML/CSS, JS, jQuery, Bootstrap, Node, Express, NoSQL, MySQL, Git, Firebase and etc
- Presenting live coding examples, describing the programming concepts, frameworks and libraries and the mindset of being a developer

Discovery Data
Senior Full Stack Software Developer

October 2018 –November 2019

Jacks is a software company which provides consulting, software and application development services that is based in Australia and Indonesia.

- Help developed multiple successful software MVP and offshore projects specialising in Navigational Oil and Gas Data, Property, Media, and F&B
- Experience with Azure and AWS Cloud architectures and infrastructures
- Worked with Restful APIs, GIS Data, SQL Servers, Git, Apache Servers, and Linux.
- Worked with frameworks and technologies such as Laravel and Express.
- Experience in front end technologies such as Vue, React, SCSS, CSS, NPM, JavaScript, HTML
- Help designed timelines, client quotes, wireframes, sprint deliverables, requirements, documentation with technical teams and clients
- Lead teams remotely in Indonesia through Slack, Jira, weekly sprints, daily stand-ups under Agile

Domain
Software Developer and Customer Integration Liaison

May 2015 – October 2018

Domain is Australia's top Real Estate marketing platform hosting hundreds of thousands of homes all over Australia

- Responsible for maintaining MyDesktop CRM used by real estate franchises in Australia, New Zealand and Indonesia
- Responsible in producing custom reports and data through MySQL consisting of millions of properties, contacts and transactions
- Maintaining and building XML feed servers and MyDesktop API using SOAP, Restful and Flask architecture. Built and maintained systems with other API integrators
- Experience working under the Agile methodology through weekly Sprint deliverables
- Knowledge in utilising EC2, S3, SQS, Elastic Search, RDS, etc. with Amazon Web Services
- Creating and maintaining JSON, XML, CSV data parsers and collection
- Experience in working with medium to large scale projects spanning across different speciality groups with proper code reviews and GIT source control

Tech Stack: Python – HTML/CSS/JavaScript – AWS – Azure – Agile - .NET – C#/F# – MySQL / MSSQL / MongoDB – Git – Windows – Linux – Docker - Kubernetes

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Education

University of Western Australia
Bachelor of Computer Science and Commerce

2010 - 2014