

Bonfilio Surya

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Experience

Senior Software Engineer, HSI APAC Pty Ltd.

November 2021 – Present

- Optimised critical integration runtime performance, achieving a 95% reduction in execution time and ensuring seamless, high-quality system integrations
- Led a front-end migration to Angular with optimised hybrid routing, achieving a 15% increase in page load speed and a substantial improvement in code maintainability.
- Engineered and executed the migration of critical applications to Azure, enhancing reliability (achieving 99.9% uptime) and reducing data pipeline failures by 20% through robust architectural design..
- Provided technical leadership and mentoring to an offshore development team, fostering collaborative practices and driving best practices to ensure high-quality, timely delivery.

Senior Consultant, Insight Enterprises Australia Pty Ltd.

April 2020 – September 2021

- Improved front-end web application performance by 30%, applying performance debugging techniques like tree-shaking and optimized rendering strategies relevant to modern JavaScript frameworks.
- Engineered a high-performance web crawler, indexing over 5 million documents into a Lucene search index, reducing average search time by 30% and increasing document retrieval accuracy by 20%.
- Developed a customer portal for a debt consolidator agency, which empowers their customers to self-serve and and increasing agent efficiency by 25% through reduced call volume.

Senior Developer, Diviv Group Pty Ltd.

August 2019 – April 2020

- Architected a scalable learning management system solution for a first-aid course provider using .NET Core and Angular, with a focus on performance optimisation.
- Modernised a legacy .NET Framework learning management system to .NET Core, ensuring long-term maintainability and performance enhancements, resulting in a 15% reduction in server response time.
- Collaborated within Agile Scrum ceremonies, improving sprint delivery efficiency by 20% and achieving a 90% sprint estimation accuracy through detailed user story decomposition.

Senior Developer, Integranet Digital Pty Ltd.

August 2016 – August 2019

- Architected and led the development of a critical middle-ware integration application, enabling real-time data exchange between a legacy point-of-sale system and the zoo's e-commerce website, resulting in a 77% increase in online ticket and 49% increase in membership purchase.
- Developed high-performance, modular plugins for content management system, comparable to internal libraries/frameworks, enhancing system capabilities and build efficiency by 25%
- Improved front-end development workflows using Gulp and Node.js, reducing development time by 15%, and enhancing team collaboration.

.NET Developer, Alyka Pty Ltd.

February 2013 – August 2016

- Developed reusable component libraries and templates, similar to internal SDKs, streamlining development and reducing project turnaround times by up to 50%
- Established and optimised CI/CD pipelines and source control workflows, reducing deployment errors by 40% and improving release frequency by 30%.

Education

Master of Information Technology, University of Western Australia

March 2012

Bachelor of Business, University of Newcastle

August 2009

Skills

Programming languages: HTML, JavaScript, TypeScript, SQL, CSS, SCSS, LESS, C#

Tooling: Azure, Octopus Deploy, TeamCity, TeamCity, Octopus Deploy

Framework: .NET, Angular, React, Node.js, RxJs