

Bo Wang
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Developer / Architect
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A passionate full-stack developer and architect with over 15 years of commercial experience across a wide variety of technologies and disciplines, having exposure to the full lifecycle of using software to provide solutions to business problems.

He has had experience in the full software development lifecycle in developing enterprise applications both in on-premise and cloud solutions used by some of the world's leading software technology companies. In addition to the software development side, he has also had experience in technology services projects, having fulfilled the roles of business analyst, presales, project management, training, support and consultation.

He is constantly questioning the status quo in order to push the boundaries and grow both the product as well as as an individual, this has been a core strength which has taken him to his current role as part of the core engineering team to develop an innovative new lending platform and risk engine in a disruptive and growing fintech company.

Technical Skills



Non-Technical Skills



Experience



CommonWealth Bank of Australia (<https://www.commbank.com.au/>)
Lead Engineer/Chapter Lead
October 2023

Present

Technical

- Rearchitected and led a team in the first successful migration a SaaS tech stack

Non-Technical

- Finalist in number of internal awards (2025 - Everest and BrighterTech)

- (Waddle) into a heavily regulated environment (Commonwealth Bank of Australia)
- Delivered and rolled out group-wide CI pipeline for Java/Kotlin/Scala projects with all required controls built in to enable a fully automated CI/CD process
- Set up clean architecture template for Kotlin (based on Spring Boot) for new Java based applications.
- Assisted numerous squads in their modernisation journey, providing guidance for setting up logging, observability, CI/CD processes, etc.

- Driving the inner-sourcing culture at CommBank via contribution to key initiatives (Golden Path - an opinionated, controlled end to end CI/CD solution)
- Driving DevSecOps culture and streamlining the change management processes to be able to deploy and deliver with safety and velocity in a highly regulated environment. Achieving up to 0.8 deployments per day while meeting all required controls and evidences.
- Successfully integrated an engineering team from a startup environment into an enterprise environment. Finding a blend of the best of both worlds to define the best ways of working.
- Mentoring engineers to build a culture of collaboration, accountability and curiosity.

Technologies used

Kotlin, Spring, ReactJS, AWS, GitHub, OpenAPI, Snyk, Sonarqube, Terraform, CloudFormation



Waddle (<https://www.waddle.com.au>)

Lead Engineer

March 2018

Present

Technical

- Driving to integrate the team's tech, processes and tools into the CBA systems and standards
- Successfully integrated the team's tech, processes and tools into x15 systems and standards
- Helped grow an in-house invoice finance solution to a generic, commercial platform currently used by 5 major financial institutions across 3 countries
- Designed and built a multi-tenanted, extensible middleware platform to standardise bi-directional integration with a wide range of accounting platforms
- Designed and built numerous systems to provide invoice financing to customers including risk analysis, fraud detection, process automation, payment processing, security etc.
- Defined architecture and standards for the coding, testing and structure of multiple platforms
- Designed and built numerous reusable libraries to speed up development and

Non-Technical

- Acquired by Commonwealth Bank of Australia in 2023
- Achieved ISO 27001 certification in 2022
- Acquired by an ASX listed company (Xero) in November 2020
- Architect and technical product owner for our integration platform (Wriggle)
- Worked closely with the product team and partners to build generic solutions that benefited all other users of the platform
- Designed, implemented and maintained collaboration tools such as knowledge bases, issue management, project management, etc.
- Designed and implemented processes around vulnerability detection and management
- Provided thought leadership and mentorship in technical and non-technical skills to support a growing diverse team of engineers
- Worked with various stakeholders (internal and external) on defining delivery processes
- Advocated for a culture of engineering excellence, curiosity, continuous incremental improvement, innovation, open communication and collaboration

- maximise quality
- Designed and built centralised secure token management for connections to client systems
- Designed and built monitoring dashboards and alerts for various critical parts of the system

- Aided in the growth of the engineering team from 4 to 25 across 3 countries

Technologies used

Kotlin, Java, Spring, Hibernate, jQuery, Nexus, Artifactory, Kubernetes, GitHub Actions, Terraform, SOAP, Docker, REST, OpenBanking, Maven, JUnit, Kotest, TestCafe, Tomcat, SSO, OAuth 2.0, SAML, NodeJS, Sonar, ReactJS, AntD, NewRelic, SumoLogic, Graylog, Snyk, Sonar, OpenAPI, Swagger, AWS (CodePipeline, Elastic Beanstalk, WAF, DynamoDB, Aurora, Lambda, ECS, S3, RDS, CloudFormation)



Tropical Soul (<https://www.tsdance.com.au>)

Salsa and Mambo Instructor

August 2018

December 2021

Non-Technical

- Regularly teach intermediate and advanced dance classes for the styles of Salsa and Mambo
- Performed at numerous events both locally and internationally
- Choreographed dances for myself and others
- Placed in numerous professional level competitions and won 2 titles



Latin Motion (<https://www.latinmotion.sydney>)

Salsa and Bachata Instructor

July 2017

October 2018

Non-Technical

- Regularly teach beginner and intermediate dance classes for the styles of Salsa and Bachata
- Placed in numerous amateur competitions and won 2 titles in 2017
- Winner of male staff member of the year 2018



Tyro (<https://www.tyro.com>)

Engineer

March 2016

March 2018

Technical

- Implemented the initial roll out of an innovative lending platform
- Designed and developed a credit risk assessment engine

Non-Technical

- Worked on and helped define the microservice approach and methodology
- Drove up the focus on improving UX for users and best practices around UI implementation
- Designed a system for cultivating and managing new ideas
- Won Hackblitz - half day capture the flag style security competition
- Won Codeblitz - 1.5 day competition to develop a demoable innovative idea)

- Worked with stakeholders to model our customer and credit profiling to accurately reflect the structure of each customer

Technologies used

Java, Spring, Hibernate, jQuery, HTML, CSS, Jenkins, Nexus, SOAP, REST, Thymeleaf, Kotlin, AWS, Maven, JUnit, JWebUnit, Tomcat, SSO, OAuth 2.0, Pact Testing, Serverless, R, NodeJS, RabbitMQ



ServiceRocket (<https://www.servicerocket.com>)

Learndot - Architect/Lead Developer/Scrum Master

November 2011

January 2016

Technical

- Re-designed the system to be easier to manage, test and extend
- Implemented integrations with many other cloud technologies including but not limited to Salesforce.com, Marketo, Okta, Hubspot, GotoTraining, Eloqua, etc.
- Implemented eCommerce platform with multiple payment gateways (eg Stripe, Paypal, Chase, Authorize.Net etc.), flexible rule engines (for discounts and taxes) and reporting
- Implemented delegated authentication and SSO using OAuth 2.0 and SAML 2.0 specifications

Non-Technical

- Aided in the growth of the team from 2 to 25 across 4 countries
- Implemented Scrum processes and encouraged adoption of Scrum within the team through mentorship
- Implemented and promoted automated testing within the team, we have since added 5000+ tests to the test suite
- Platform won Brandon Hall Group's Best Advance in Learning Management Technology for External Training in 2015

Technologies used

Java, Spring, Hibernate, jQuery, HTML, CSS, Bamboo, Crowd, SOAP, REST, Freemarker Templates, Scala, Cloud Applications, Maven, JUnit, JWebUnit, Tomcat, SSO, SAML 2.0, OAuth 2.0



ServiceRocket (formerly CustomWare) (<https://www.servicerocket.com>)

JIRA Connector Product Set - Architect/Lead Developer, Atlassian - Technology Consultant/Tech Lead

June 2008

November 2011

Technical

- Architected, designed and implemented a configurable middleware platform on the OSGi framework
- Implemented integrations using the middleware platform (mentioned above) for Salesforce.com, uTest, GetSatisfaction, Zendesk and SauceLabs
- Worked with Atlassian to deploy the integrations onto their cloud platform (now called Atlassian Cloud)
- The Salesforce.com and JIRA Connector has since become the market leader for integrating the two systems and is the company's most profitable extension to the JIRA platform
- Implementing reusable add-ons for the Atlassian suite of tools
- Integration between the Atlassian suite of tools with other applications that our customers are using, the integrations range from data synchronization to user experience (eg SSO, navigation portals, etc.) across a wide variety of systems
- Implementing automation for internal processes to reduce the amount of manual work required for certain tasks

Non-Technical

- Providing business process modeling, best practice consulting, support, customizations, and implementation of Atlassian systems across a wide range of industries and applications
- Defining best practices around the estimation and delivery and quality assurance of solutions
- Mentoring the team in development best practices, new technologies and how to apply them to solve business problems

Technologies used

Java, Spring, Hibernate, jQuery, HTML, CSS, JIRA, Confluence, Bamboo, Clover, Crowd, Fisheye, Crucible, SOAP, REST, OSGi, Velocity Templates, Active Objects, Maven, JUnit, SOA, iOS Development, Oracle Fusion, WebLogic, OC4J, Tomcat, SSO, Linux, Google Search Appliance, JSP

Education



University of Sydney

Bachelor of Software Engineering (Class 2 Honours)

March 2004

November 2007

References

References available upon request.