Bo Wang
Senior 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

Skill	Years
Java + Kotlin	15 Years
Integration	14 Years
Security and SSO	13 Years
Software Architecture	12 Years
Web Development	12 Years
AWS	7 Years
Microservice	5 Years

Non-Technical Skills
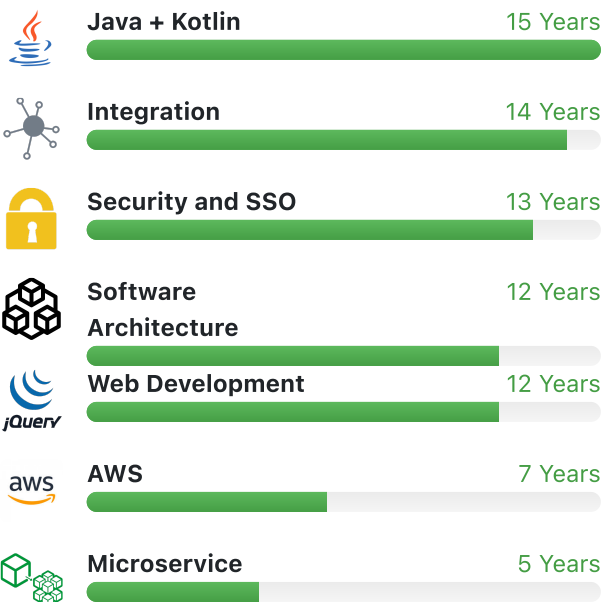
Skill	Years
Solution Design	15 Years
Planning and Estimation	13 Years
Agile Development	11 Years
Mentoring and Leadership	8 Years
Project Management	5 Years
Consulting	3 Years
Pair Programming	3 Years

Experience

Waddle
Lead Engineer
March 2018
Present

- Achieved ISO 27001 certification in 2022
- Acquired by an ASX listed company (Xero) in November 2020
- Helped grow an in-house invoice finance solution to a generic, commercial platform currently used by 5 major financial institutions across 3 countries
- Worked closely with the product team and partners to build generic solutions that benefited all other users of the platform
- Designed and built a multi-tenanted, extensible middleware platform to standardise bi-directional integration with a wide range of accounting platforms

- Designed, implemented and maintained collaboration tools such as knowledge bases, issue management, project management, etc.
- 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 maximise quality
- Designed and implemented processes around vulnerability detection and management
- Advocated for practical excellence in engineering through shared vision and incremental improvements
- 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

Technologies used: Kotlin, Java, Spring, Hibernate, jQuery, Nexus, 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)

Website: https://www.waddle.com.au

Tyro
Engineer
March 2016   March 2018

- Implemented the initial roll out of an innovative lending platform
- Designed and developed a credit risk assessment engine
- Worked on and helped define the microservice approach and methodology
- Worked with stakeholders to model our customer and credit profiling to accurately reflect the structure of each customer
- 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)

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

Website: https://www.tyro.com

ServiceRocket
Learndot - Architect/Lead Developer/Scrum Master
November 2011   January 2016

- 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
- 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
- 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

Website: https://www.servicerocket.com/managed-services/customer-education-services

ServiceRocket (formerly CustomWare)
JIRA Connector Product Set - Architect/Lead Developer, Atlassian - Technology Consultant/Tech Lead

June 2008   November 2011

- 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
- Providing business process modeling, best practice consulting, support, customizations, and implementation of Atlassian systems across a wide range of industries and applications
- 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
- 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, Cloud Applications, Maven, JUnit, SOA, iOS Development, Oracle Fusion, WebLogic, OC4J, Tomcat, SSO, Linux, Google Search Appliance, JSP

Website: https://www.servicerocket.com/

Education

University of Sydney
Bachelor of Software Engineering (Class 2 Honours)

March 2004   November 2007

References

References available upon request.

View Online (https://bakenosuke.github.io)