

# JOBEN BLOM

SENIOR FULL-STACK SOFTWARE ENGINEER



## INTRODUCTION

I am a proficient senior full stack software engineer, passionate about designing and writing software to the highest standard. I have over **20 years of experience** in a range of industries including, Investment Banking & Finance, Telecommunications, Mining, Education, Health, Digital Marketing & Advertising and IT Services.

Innovation and excellence are my core values. My **in-depth knowledge** of creating software enables me to rapidly identify and solve problems. I have built a reputation of delivering robust, efficient software and implementing industry best practices.

My breadth of experience spans across numerous technologies, methodologies and platforms. **Working on a variety of projects over 20 years, has taught me what works and what doesn't work.**

## WORK EXPERIENCE (Contracts)

### Senior Software Engineer at Nintex (AU)

Jan 2021 – Mar 2023

This was my second contract at Nintex, a global organization with an excellent SaaS offering for complete digital transformation. I worked on the Nintex Office 365 (On Prem & Cloud) to Nintex Automation Cloud workflow migration projects. These were tooling solutions to migrate customers from an older workflow offering to their new flagship SaaS workflow offering. The solution consisted out of an API and an Engine project built with TypeScript and NodeJS and Azure services. When the migration project finalised I assisted another team in building out the organization's VNext Identity Services solution using C# / .Net, JavaScript & Azure services.

### Senior Full Stack Engineer at Tally Group (AU)

Sep 2020 – Jan 2021

Tally is a utility technology provider that designs, builds and operates next-generation software that automates billing. I worked on a new version of their billing platform, specifically the Billing, Payments, Reporting, Email & Exception Management modules. The solution is a SaaS offering running on Azure, using C# / .Net and Azure Services.

### Senior Full Stack Developer at UniSuper (AU)

Mar 2020 – Sep 2020

UniSuper is one of Australia's largest superannuation funds and is run solely for the benefit of its members. For more than 30 years, UniSuper has been managing super for people employed in the higher education and research sector. This project called MOL SPA (Member Online Single Page Application) Uplift was to implement a brand new Angular web application, accessible to the super fund's members when managing their accounts, like change of investments, insurance, investment performance, personal details, notice of intent, contribution caps, rollovers and more.

## TECHNOLOGIES

### Front End

Angular  
TypeScript / JavaScript / ES6  
HTML / Web Components  
CSS / SASS / LESS / BEM  
Mocha / Sinon / Chai  
Bootstrap / Material  
jQuery / AJAX  
Web Assembly / Blazor  
XAML / WinUI / WPF / WinForms

### Back End

C# / .Net / ASP.Net Core  
JSON / XML  
Entity Framework / LINQ / ADO.Net  
NodeJS / ExpressJS  
Azure SB / Functions / Storage  
MSMQ  
xUnit / SpecFlow / Selenium  
OpenAPI (Swagger)  
OAuth / OpenID / JWT

### Database

SQL Server / Profiler  
CosmosDB  
MySQL  
MongoDB  
Relational Modelling

### Infrastructure

Azure / DevOps  
Jira / Bitbucket / Bamboo  
AWS  
Git / CI/CD Pipelines

## WORK EXPERIENCE (cont.)

### Senior Developer at Nintex (AU)

Jan 2019 – Feb 2020

I worked as an engineer on the Nintex Workflow Cloud handling billions of executions annually and with 3 million + workflow applications in production from enterprise customers in 90+ countries in all industries. I was tasked to develop "Xtensions" that were done with Azure Functions using C#. API's were done acting as adapters integrating with service providers. OpenAPI specification JSON files with Specification Extensions were created which was used by the front-end Nintex Workflow Cloud application used to build the UI of various automations.

### Senior Lead Full Stack Developer at KPMG (AU)

Jun 2018 – Dec 2018

This was a multi-faceted contract where my initial goal was to perform a quality assessment on an outsourced web application, stabilise its performance and act as Technical Lead for the development team based in India. I also completed the front-end development for a replacement application called GDRM (Global Digital Rights Management). GDRM is a multi-tenanted cloud platform to facilitate the firm's SaaS offerings.

### Senior Software Engineer at Paritech (AU)

Nov 2014 – Apr 2018

Paritech / OpenMarkets is an independent technology stockbroker where all the technology is open to third party integration, with the aim of bringing a more connected world for traders. This involved using technologies like OAuth for security and providing APIs for direct integration from account opening (onboarding) to trading, data analytics and beyond. I was solely responsible for the design and development of a new customer onboarding web application and back end API. I also designed and developed a Market Maker web application used by investment funds to buy and sell on the Australian Stock Exchange.

### Senior .Net Developer at Dun & Bradstreet (AU)

Nov 2013 – Nov 2014

### Senior .Net Developer at Igloo (AU)

Aug 2013 – Nov 2013

### .Net Solutions Architect at DCA (AU)

Mar 2013 – Aug 2013

### Senior Analyst Developer at Zedmed (AU)

May 2012 – Feb 2013

### Senior Software Developer at Kiandra (AU)

Jun 2011 – May 2012

### Senior Development Consultant at Xelocity (NZ)

Apr 2010 – Jun 2011

### Solution Architect at Johannesburg Stock Exchange (RSA)

Aug 2008 – Mar 2010

### Senior Software Developer at Celcom Group (RSA)

Oct 2007 – Aug 2008

### Senior Analyst Programmer at GijimaAst (RSA)

Feb 2007 – Oct 2007

### Software Engineer at Avocent Corporation (UK)

Jul 2005 – Jan 2007

### Database Programmer at MRM Worldwide (UK)

Nov 2004 – Jun 2005

### Software Developer at Dibanisa (RSA)

Sep 2003 – Jul 2004

## METHODOLOGIES

### Project

Scrum  
Kanban  
Waterfall

### Development

Responsive Design  
Atomic Design Principles  
SOLID Principles  
KISS Principles  
Design Patterns  
PR / Code Reviews  
Dependency Injection  
Object Orientated Programming  
Functional Programming  
Encapsulation / Polymorphism  
Single Responsibility Principle  
Abstractions / Interfaces  
Logging / Diagnostics  
Tiers / Layers  
Distributed Architecture  
Microservices  
DTO / Domain Objects  
ETL / Reporting  
Normalization  
Unit Tests  
Integration Tests  
End to End Testing

## EDUCATION & CERTIFICATION

Computer Science Diploma (achieved with Honours)      2002 – 2003  
**Computer Training Institute**

Please note that all the Computer Training Institute's qualifications are validated by the prestigious  
**University of Cambridge in the UK** and are therefore internationally applicable.

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**MACS CP – Australian Computer Society**      2010 – Current

ID: 3129459

## REFERENCES

Available on request.



**Microsoft**  
CERTIFIED  
*Professional  
Developer*

**Microsoft**  
CERTIFIED  
*IT Professional*

**Microsoft**  
CERTIFIED  
*Technology  
Specialist*

**CEH**  
Certified Ethical Hacker

**ORACLE**  
Certified Professional  
Java SE 6 Programmer

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