VAL ANTONINI

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PROFILE

I am a technical team lead with over 12 years of experience in software engineering web applications on the Microsoft stack. I am currently a Senior Software Engineer at Patient Zero working on a variety of products across various domains and technologies including ASP.Net Core, React, RabbitMQ and Azure.

SKILLS

Languages

C# ○ Typescript ○ Javascript ○ SQL ○ CSS / Less / Sass ○ Go

Frameworks / Libraries

ASP.Net Core ○ VueJS / React ○ Node ○ SignalR ○ Protocol Buffers ○ Unit Testing (NUnit / Moq / NSubstitute / Specflow / Mocha) ○ UI Testing (Cypress / Selenium) ○ CSS Frameworks (Bootstrap / Bulma) ○ ORM (Entity Framework / Dapper) ○ Hangfire

Technologies

MSSQL Server ○ Docker / Kubernetes ○ RabbitMQ (NServiceBus / Mass Transit) ○ CI / CD (Bamboo / TFS / TeamCity / Jenkins / Octopus Deploy)

Software Development

RESTful API ○ Design Patterns ○ Domain Driven Design ○ Distributed Systems ○ Service Oriented Architecture ○ Test Driven Development ○ Behaviour Driven Development

LINKS

https://valantonini.com

https://github.com/valantonini

https://www.linkedin.com/in/valantonini

Senior software engineer at Patient Zero, delivering full stack solutions across a variety of technologies and domains.

Projects

BCE Progressive Reporting: Engineer on a web application and various supporting services designed to support the end to end progressive reporting and enhance the learning experience and outcomes of students within BCE schools.

Responsibilities

‣ Design and develop web applications and services across a range of technologies
‣ Liaise with project stakeholders and product owners to determine software engineering requirements for software projects
‣ Contribute to scrum ceremonies such as sprint planning, sprint retrospective, customer showcase and backlog refinement sessions
‣ Mentor junior developers

Senior software engineer and team lead on MDM, a distributed service based mining data management platform and workflow management tool built on ASP.Net Core, RabbitMQ and VueJs.

Projects

Spatial Services: Engineer and Team Lead on a a series of features around the versioning and streaming of 3d graphical entities

File Manager: Engineer and Team Lead on a web based file storage and versioning repository

Workflow Manager: Engineer and Team Lead on a user-configurable workflow management tool designed to allow sites to formalise and model their business process around mine development.

Data Sources: Engineer and Team Lead on a web application designed to synchronise, filter and transform 3d spatial entities (point, polylines, polygons and drill holes) from 3rd party databases

Responsibilities
‣ Design and develop web applications and services for mining and spatial data management
‣ Liaise with project stakeholders, product owners and product teams to determine software engineering requirements for Deswik software products
‣ Coordinate scrum ceremonies such as sprint planning, sprint retrospective and backlog grooming sessions
‣ Mentor and lead a cross-functional agile team
‣ Leading company-wide internal product demonstrations
‣ Candidate recruitment

Software Developer and analyst on a variety of web applications for medical research built on ASP.Net MVC, VueJS and Knockout JS.

Projects

D-Health: Lead developer on a participant management solution for Australia's largest clinical trial.

LabPortal: Developer on data collection, survey and lab management software capable of handling 5,000 requests/minute and receiving acknowledgements in several publications (Reseach Square NCBI).

Queensland Cardiovascular Research Network (https://cvhresearch.org.au): Developer on QIMR's first commercially developed software aimed at helping cardiovascular researchers connect with each other and increase awareness of research activities happening across Queensland.

Sciportal: Designed and developed automated usage tracking for scientific equipment as well as admin facilities for usage confirmation and cost recovery.

QSkin Keratinocyte & Melanoma Skin Cancer Risk Calculator (https://qimrberghofer.edu.au/melanomariskpredictor): Designed and developed a web-based cancer risk calculator for QSkin, the largest medical research study ever conducted in Queensland. The project had several media appearances and received over 37,000 views over the 12-month period.

Responsibilities
‣ Design and develop web applications for medical research and clinical trials
‣ Carry out systems/business analysis to design appropriate data-driven web applications for the needs of individual laboratory projects
‣ Liaise with lab and project heads

Software developer and analyst for a suite of distributed services around customer management and debt recovery.

Projects

C5 CRM: Developer on a CRM upgrade application designed to monitor contact with customers in accordance with Australian compliance standards

Customer Profiling: Lead developer on a customer profiling application for debt repayment calculation

Credit Reporting: Lead developer on a credit reporting application integrating with 3rd party credit agencies

Account Washing: Developer on a 3rd party credit reporting services integration designed to improve campaign targeting

Commitment Creation: Developer on software to monitor and keep track of customer debt repayments

Account Maintenance: Developer on a series of tools to perform a variety of routine account operations

Responsibilities
‣ Research, design and develop web applications and Windows services for debt collection
‣ Carry out systems / business analysis to design software solutions for the needs of individual business units
‣ Mentor and train developers
‣ Design API endpoints and integrate with 3rd party endpoints
‣ Service Interface design
‣ Liaising with business units and project stake holders
‣ Organising and coordinate sprint planning / review with business units
‣ Process improvement and developer training
‣ Liaising and working with external consultants

Software developer for interactive voice response systems deployed at a variety of companies.

Projects

Energy Australia's IVR upgrade: Lead developer on Energy Australia's interactive DTMF credit card payment, payment extension and account balance facility

SERCO (Queensland Transports): Lead developer on a web configurable special events reporting application (interactive DTMF) and maintenance programmer for SERCO (Queensland Transports) timetable application (DTMF and speech based)

Heritage Building Society IVR upgrade: Developer on Heritage Building Society's (BPAY, account balance and change password functionality)

Brisbane City Council's Facility Finder: Lead developer on Brisbane City Council's (speech based) facility finder application.

Responsibilities
‣ Design and develop IVR (Interactive Voice Response) applications
‣ Carry out systems/business analysis to design appropriate IVR applications with customers
‣ Windows service programming
‣ Specifications and design documentation

EDUCATION

QUT, BRISBANE — BACHELOR OF INFORMATION TECHNOLOGY 2003 - 2006

‣ Bachelor of Information Technology - Software Engineering

SEKEI UNIVERSITY, TOKYO 2010 - 2011

‣ Completed 6 units as an auditing student in field of I.T

‣ Completed 8 units of Japanese Language studies

‣ Japanese Language Proficiency Test (JLPT) - level N1 (Highest)

‣ Kanji Kentei (Japan Kanji Aptitude Test) level Jun2

‣ Kanji Kentei (Japan Kanji Aptitude Test) level 3

TCC JAPANESE LANGUAGE SCHOOL, TOKYO 2008 - 2010

‣ Japanese Language Proficiency Test (JLPT) - level 1 (Highest)

‣ Japanese Language Proficiency Test (JLPT) - level 3

‣ Kanji Kentei (Japan Kanji Aptitude Test) level 5

‣ Kanji Kentei (Japan Kanji Aptitude Test) level 4

ACCREDITATION

‣ Bachelor of Information Technology (2006)

‣ JLPT N1 (2010)

‣ JLPT 1 (2009)

‣ Kanji Kentei (Kanji Aptitude Test) Levels 5 - Jun 2 (2007 - 2010)

REFERENCES AVAILABLE ON REQUEST