

Eduard Sergeev

Sydney, Australia

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Summary

- 18 years of .NET/C# (1.0-4.7), .NET Core (2.1-3.1) predominantly server-side development
- Good knowledge of DBMS/SQL: MSSQL (2000-2017), PostgreSQL
- Exposure to cloud-based architecture and development: AWS
- Commercial experience with functional languages: Haskell, Erlang
- C++ background

Experience

Domain Group

Sydney, Australia

Senior Software Developer

October 2020 - November 2020

Real estate web portal

As a member of Search Team was responsible for development and support of backend services which provided realtime search functionality for property listings: from typeahead on public website to geo search used by other services.

- .NET Core 3.1 (C#), Elasticsearch, AWS (ECS, SQS, S3), Teamcity, Octopus Deploy, Docker, Github

Butterfly Systems

Sydney, Australia

Senior Software Developer

September 2018 - March 2020

SaaS hospital management systems

Was responsible for support and development of both backend (.NET 4.7, MSSQL 2017, EF6.2, ASP.NET Web API) hosted on AWS (EC2, RDS, S3, SQS, Lambda, SES) and frontend (ASP.NET MVC, AngularJS, Javascript, HTML, CSS).

Set up CI/CD (TeamCity, Octopus), UAT environment, introduced task/issue tracking (Youtrack), integrated with corporate messenger (Slack).

Consolidated fragmented source code into monorepository (migrated to Github).

Improved/secured AWS infrastructure (OpenVPN, IAM, VPC, security groups, NAT, Route53).

Set up centralised logging and reporting for all backend services (Cloudwatch, Elasticsearch, Kibana, Grafana).

Improved corporate website: moved it to AWS (S3, CloudFront, Lambda, SES), optimised site content, included website to CI/CD (Webpack).

Participated in migration of backend code from .NET 4.7 on Windows to .NET Core 3.1 on Linux in Docker.

- .NET/C# 4.7, .NET Core 3.1, MSSQL 2017, EF 6.2, EF Core 2.2, ASP.NET MVC/API, AWS (EC2, RDS, S3, SQS, Lambda, SES), Git/Github, Teamcity, Octopus, Elasticsearch, Docker, Windows/Linux

Cashrewards

Sydney, Australia

Senior Software Developer (contractor)

August 2017 - October 2017

Cashback service for retail customers

As a full stack developer was responsible for maintenance and development of company website (ASP.NET MVC, HTML, CSS, JavaScript) and internal services (AWS).

- .NET/C# 4.6, MSSQL 2012, ASP.NET MVC, AWS, Bitbucket

Wisetech Global

Sydney, Australia

Software Developer

April 2017 - August 2017

Software solutions for logistics industry

Was software developer in "Customs" and "Accounting" teams (WinForms applications).

- .NET/C# 4.6, WinForms, TFS

Ambiata

Sydney, Australia

Software Developer

June 2015 - August 2016

Big data analytics - massive-scale personalised marketing service

Worked on infrastructure code: mostly Haskell (and Scala) codebase, microservices architecture, cloud-based deployment (AWS).

Was responsible mostly for RDS-related services: declarative DB deployment and management service, back-end for statistical data storage service.

- Haskell, AWS (EC2, S3, RDS), PostgreSQL, Linux, Git/Github

Siemens

Sydney, Australia

Software Developer (contractor)

July 2013 – May 2015

Siemens Building Technologies - access control for buildings

Participated in the development of Siemens' next generation of building Access Control system "Aliro": .NET/SQL Server + Silverlight UI and C++-based firmware for hardware access points.

Was responsible for server-side of the project (including DB). Subsequently worked in other areas of the system while project was pushed closer to release: stability, performance, security issues and general bug fixing.

- .NET/C# 4.0, WCF, MSSQL 2008, EF, TPL, Unity, Wix, TFS

Amnesty International

Sydney, Australia

Senior Software Developer (contractor)

May 2011 – October 2012

Non-governmental organisation focused on human rights

Worked on modernisation of the IT (software) infrastructure

Set up and maintained proper software development environment (source control, CI, TDD)

Integrated internal CRM system with company website. Implemented payment gateway service working with Westpac banking portal. Implemented synchronisation between internal CRM and Campaign Monitor. Integrated CMS with the external campaign website.

- .NET/C# 4.0, WCF, MSSQL 2008, PHP, Erlang/OTP, git, TeamCity

Barclays Capital

London, UK

Software Developer (contractor)

April 2010 – October 2010

Investment bank, quantitative analytics team

Was responsible for support and development of Functional Model Deployment project (proprietary functional language written mostly in C++ and hosted in Excel), as well as general support for QA library users (quants and IT)

Worked mostly on improvements and bug-fixing in C# and VBA part of FMD plus minor optimisation and bug fixing in core (C++) FMD; Build support/improvement (TeamCity+NUnit/Boost.Test). Users (quants) 1st line support for QA-Library.

- .NET/C# 3.5. C++. VBA (Excel). Perforce. TeamCity

Credit Suisse

London, UK

Software Developer (AVP)

April 2009 – April 2010

Investment bank, Credit Derivatives IT

Was responsible for support and development of internal front-office reporting system based on SQL Server 2005, C# middle-ware (.NET 3.5, Remoting, WF) with WPF front-end.

Enhanced existing reporting/task framework (SQL+XSLT+WF). Built server side for a new credit structured product (secondary market) pricing tool “Poet V”. Provided 2nd line support for front office users.

- .NET/C# 3.5, WF, Remoting, MSSQL 2005, SVN
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Towers Perrin

Sydney, Australia

Software Developer

February 2008 – January 2009

Actuarial consultancy and software development company

Participated in “RiskAgility” project – conversion of the legacy desktop application into enterprise solution/platform

Was responsible for “data & security” part of the platform.

- .NET/C# 3.5, WCF, LINQ2SQL, MSSQL 2005, Windsor Container(IoC), Rhino Mocks
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Symantec

Sydney, Australia

Software Developer

October 2005 – February 2008

Altiris before acquisition - service-oriented IT-management solution

Was a part of Notification Server development team working on Notification Server IT-management solution suite (Assets Management, Patch Management, Inventory etc.).

Worked on both, managed (.NET/C#/ASP.NET) NS Server and unmanaged (C++/COM) NS Agent sides.

- .NET/C# 1.1-2.0, MS C++, ASP.NET, MSSQL 2000-2005, MSBuild, Wise, Wix, SVN
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CQG International

Moscow, Russia

Software Developer

January 2005 – September 2005

Trading software development company

As a member of Moscow Servers Team participated in the development of server-side components for “New Client” project - the replacement (.NET/C#) for the legacy (C++) platform CQG (complete package of trading software products).

- .NET/C# 1.1, MSSQL 2000, NUnit, NCover, CVS.
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R-Style Softlab

Moscow, Russia

Software Developer

November 2000 – December 2004

Banking software development company

Worked on both, older (MS VC++ 6.0) and newer (.NET/C#) codebase.

- .NET/C# 1.0, MS VC++/ATL, MSSQL 2000, Rational XDE, ERWin, NUnit, NDoc, VSS

Education

Taganrog State University of Radio Engineering

Taganrog, Russia

Bachelor of Computer Science

1994-1999