



# Daniel Schiavini

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## Curriculum Vitæ

*“Daniel is extremely eager to learn. He is very communicative and solution-focused. He combines good and quick results and is particularly popular as a team player in projects. His deep knowledge of many programming languages makes him a source of information for his colleagues. He is very analytical, quickly sees through situations and processes and is therefore perfectly suitable for new environments”*

RADJENDER RAMLAL (DIRECTOR, SYNICS B.V.)

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### My profile

Since young age, full of ambition and eager to learn, I have discovered computing by customizing old DOS-games. My sense of urgency helped in making websites from the age of twelve, when I discovered programming as a way to express my reasoning. As a professional software developer I now appreciate to be involved in challenging and innovative projects that improve people’s lives. It makes me proud to craft top-quality software and to improve the world by delivering the most possible value together with my peers and customers.

#### Personal details

Nationality Dutch and Brazilian  
Drivers licence Dutch and Brazilian  
Expected position Lead/senior developer

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### Career overview

2016–now **App Annie**, *Utrecht - Netherlands*, Senior Software Engineer.  
2012–2016 **TriOpSys B.V.**, *Utrecht - Netherlands*, Systems Engineer.  
2008–2012 **Synics B.V.**, *Soesterberg - Netherlands*, IT Consultant.  
2008 **ForumAccess**, *São Paulo - Brazil*, Freelance Developer.  
2007–2008 **Tryst Technologies Pvt Ltd.**, *Jaipur - India*, Lead Developer.  
2007 **Ballix Tecnologia e Sistemas**, *São Paulo - Brazil*, Programmer/analyst.  
2006–2007 **AutoDoc Tecnologia Web**, *São Paulo - Brazil*, Trainee.

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## Main projects

### App Annie, Netherlands

- 2016–now **Senior Software Engineer**, APP ANNIE ASO TEAM, Utrecht.  
Engineer in a data heavy environment, working in a team responsible for getting truckloads of data and optimally storing it for retrieval. Building scalable UIs and APIs to make the data available to customers. Use of Python, Django, Angular, React, HBASE, Postgres, S3, Redis, Vagrant and Docker.

### TriOpSys BV, Netherlands

- 2014–2016 **S5P Satellite**, KNMI (*Royal Dutch Meteorological Institute*), De Bilt.  
Software engineer and developer for the data processors for the European Space Agency (ESA) TROPOMI instrument. Main responsible for the in-flight calibration software and documentation. Development in C++ and Python in a Linux environment.
- 2014 **R&D Mobile Development**, TRIOPSYS, Utrecht.  
Research and development of mobile application guidelines for the company. Tested the frameworks Xamarin, PhoneGap and Sencha with C#, Java and JavaScript.
- 2014 **PacMon App and Server**, STANLEY SECURITY SOLUTIONS, Utrecht.  
Architect and lead developer of the server and the Android application for Stanley customers. The server uses ASP.net Web API.
- 2013 **AEOS VMS Adapter**, NEDAP SECURITY MANAGEMENT, Utrecht.  
Lead developer for the development of a REST API with ASP.net to connect AEOS to three different video management systems.
- 2012–2014 **New generation railway crossings**, VRS RAILWAYS, Houten.  
Main software engineer for the monitoring system of the new generation railway crossings for Infrabel in Belgium. Development in a near real time Linux and C++ environment.

### Synics BV, Netherlands

- 2012 **VUnet student portal**, VRIJE UNIVERSITEIT, Amsterdam.  
Development of new modules and software interfaces for the VUnet student portal using C# and SharePoint.
- 2010–2012 **Mix2paint**, AKZONOBEL AEROSPACE AND AUTOMOTIVE, Sassenheim.  
Responsible for the Mix2paint application technical maintenance, development of new features and tools, database management and tuning. The main used technologies were Microsoft SQL Server, C# and JavaScript.
- 2009–2010 **Dela CRM**, DELA, Eindhoven.  
Microsoft Dynamics CRM implementation and customization for the management of millions of customers, using JavaScript and C#.
- 2008–2010 **C# Projects**, SYNICS, Soesterberg.  
Development of several applications, e.g. the Virtual Coach (ViCo), the VNG Congress Calendar, Verbeek Eggstra and VSenV.

### Tryst Technologies, India

- 2007–2008 **Lead Developer**, TRYST TECHNOLOGIES, Jaipur.  
Lead C# developer supporting several colleagues to develop applications for American companies, mainly in the real state sector.

## In Brazil

- 2008 **Freelance developer**, FORUMACCESS, São Paulo.  
Short assignment to support the development of an agribusiness planning application for Syngenta using C#.
- 2007 **Programmer/analyst**, BALLIX TECNOLOGIA E SISTEMAS, São Paulo.  
Implementing and customizing the Naxtra management software product for several different customers. Development in VB.net and Microsoft SQL Server.
- 2006–2007 **Trainee**, AUTODOC TECNOLOGIA WEB, São Paulo.  
Development of content management systems and compliance support web applications for the construction industry, using ASP and PHP.
- 2005–2012 **Server Owner**, CORTEZ ONLINE, personal side project.  
Administrator, developer and game master of a successful gaming server and website.

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## Knowledge areas

Languages	C#, Python, C++, JavaScript/ES6, PHP, Java, VB.net, Haskell, TypeScript
Frameworks	React, Django, Angular, jQuery, Telerik, PhoneGap, Boost, Poco, HDF5, Qt
Microsoft.NET	ASP.net, MVC, EF, LINQ, WebAPI, WCF, WPF, WinForms, StyleCop, FxCop
Web	ES6, JSX, HTML5, CSS3, XML, XSLT, Soap, Ajax, Json, REST
Security	AES, RSA, X.509, PKI, code injection, hashing, audits, walkthroughs
Data sources	SQL Server, MySQL, SQLite, Postgres, HBASE, Redis, Amazon S3
Methods	Agile (Scrum, XP), SOA, UML, TDD, BDD, pair programming, SEO, AI
Patterns	MVC, Dependency injection, SOA, MVP, data structures
IDEs	Visual Studio, PyCharm, Eclipse, Android Studio, Xamarin Studio
Source control	Subversion, Git, TFS
Documentation	LaTeX, J-STD-016, ECSS-E-ST-40C
Platforms	Windows, Linux, Mac, Android, Docker, Vagrant

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## Courses and certificates

- 2015 Upgrade MCPD Web Developer 4 to MCSD Web Applications
- 2015 Microsoft: Programming in HTML5 with JavaScript and CSS3
- 2015 Java Unit Testing Training and Certification
- 2014 Professional Scrum Developer Training and Certification
- 2013 IREB Foundation - Certified Professional for Requirements Engineering
- 2013 Certified for the management of low-voltage electrical installations (NEN 3140)
- 2012 IEEE Standards Course for IT Documentation (JSTD-016)
- 2012 MCPD Upgrade to Framework 4.0
- 2011 State exam NT2, Dutch as a second language (program II)
- 2010 Microsoft Certified Professional Developer (MCPD)
- 2010 Pro certification: Design & Develop Apps Using the .NET Framework 3.5
- 2010 Dutch for foreigners, level 6 (of 6), Volksuniversiteit, Utrecht
- 2010 Microsoft .NET Framework 3.5, ASP.NET Development Certification

- 2010 Microsoft .NET 2.0 and 3.5, Application Development Foundation Certification
- 2010 CRM 4.0 Customization and Configuration Certification
- 2010 Dutch for foreigners, level 5 (of 6), Volksuniversiteit, Utrecht
- 2009 CRM 4.0 Customization and Configuration course MB2-631, Compu'Train
- 2009 Intensive personal Dutch language training, Taleninstituut Regina Colie

## Education

- 2011–2016 **Computer Science Bachelor**, *Open Universiteit*, Netherlands.  
**Minor:** Natural sciences  
**Average grade:** 8.8  
**Thesis:** *Useful feedback in the Ampersand parser*, 2015  
 Researched and implemented a new user-friendly Haskell parser.
- 2005–2007 **Technology in Data Processing**, *FATEC-SP*, Brazil.  
 Higher education faculty (ISCED 5) in programming, business administration and system analysis. Interrupted when I left the country and unrecognized in the Netherlands.
- 2002–2004 **Computer technicus**, *ETESP*, Brazil.  
 Technical and secondary school (including ISCED 3 and 4) in analysis, design, programming and databases.

## Languages

Portuguese	<b>Mother tongue</b>	<i>CEFR C2</i>
English	<b>Full professional proficiency</b>	<i>CEFR C1</i>
Dutch	<b>Full professional proficiency</b>	<i>CEFR C1</i>
Spanish	<b>Limited working proficiency</b>	<i>CEFR B1</i>

## Interests

- Machine learning
- Traveling
- Cooking
- Beer brewing
- Functional programming
- Badminton
- Board games
- Space exploration