Curriculum Vitae(CV) - Teodor Ivanov Kurtev

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GitHub: https://github.com/Teodor92

StackOverflow: https://stackoverflow.com/users/3301570/teodor-kurtev

Summary

Doing stuff with .NET, ASP.NET MVC, Angular and Roslyn. Also, I love and hate JavaScript at the same time(thank you TypeScript!). And let's sprinkle a bit of Python to keep things interesting.

Work Experience

Synchronoss Technologies - **Lead Software Engineer** - Sofia, Bulgaria - *October 2017 - Now*

As a Lead Software Engineer, my duties included:

- Created and implementing code standards and practices to ensure high code quality across all projects in the Bulgaria branch.
- Organize work activities and ensure there are no blockers in my team.
- Design, implement and test features in several projects. MEAN was the software technology stack of choice for most project, although some of my duties included work on several .NET projects.
- Organize and take part in team activities like daily Stand-ups, Code Review sessions, etc.
- Mentor junior developers and ensure there technological and business up-skilling goes smoothly.

Independent Contractor - **Software Engineer** - *September 2011 - Now*

Building variety of application using .NET, JavaScript/TypeScript, and Python. Although most of my work has been focused on the web domain, I do take on projects for mobile and desktop applications. My work included:

- Translation of business needs into software requirements and finding out what the client, really needs (Requirements engineering).
- Designing, implementation, testing, documentation and deployment of the software solution.
- Support of the solution in question.

Software Improvement Group(SIG) - **Software Engineer/Researcher** - Amsterdam, The Netherlands - *January 2017 - August 2017*

My work consisted of:

- Finding a way to propose refactoring options for architecturally related code smells.
- Implementing Visual Studio refactoring plugin using the .NET ecosystem and the Roslyn compiler.
- Using R and Python for data analysis and visualization.
- In the end there was a positive outcome of the research an the PoC project - desired metrics increased with 5% to 10%.

EPAM - **Software Engineer** - Sofia, Bulgaria - *March 2016 - July 2016*

During my work here:

- Used the .NET Stack for back-end development - C#, MSSQL Server, EntityFramework, ASP.NET MVC, etc.
- Used the JavaScript Stack for front-end development - Agular.js, JQuery, Google Maps APIs, etc.
- Implemented processes to ensure code quality - static code analysis, CI, git branching strategies, code reviews.

SBTech - **Software Engineer** - Sofia, Bulgaria - *January 2015 - July 2015*

During my stay at the company, I was part of various project and activities:

- Developed new features for the mobile and tablet betting solutions using .NET and JavaScript and helped bring out the tablet solution initial release.
- Took part in activities targeted at improving the quality of the code base - code reviews, CI, and static code analysis, refactoring efforts.

Software University - **Software Engineer** - Sofia, Bulgaria - *October 2013 - February 2015*

As the first developer at Software University - I was tasked with designing, developing and testing the core modules for the Software University Learning System (SULS). The work included:

- Development of an electronic learning system from scratch- electronic payment, teamwork management, CMS capabilities, course management and a lot more.
- Used technologies - .NET, ASP.NET MVC, Entity Framework, HTML5, JavaScript, KendoUI etc.

Telerik Academy - **Intern Software Engineer** - Sofia, Bulgaria - *September 2011 - October 2013*

A fast paced introduction to software development, including

- Practical introduction to technologies ranging from the C# and JavaScript to Frameworks like ASP.NET MVC, Angular.js, Kendo and WPF.
- The education process had a key focus on high-quality code in compliance with the best practice in OOP - SOLID, DRY, YAGNI, etc.

Education

MSc Software Engineering - **University of Amsterdam** - Amsterdam, The Netherlands - 5.9/6 GPA

- An intense, one year, master program in software engineering.
- The curriculum focuses on Source code analysis and transformation, Software Craftsmanship, Software Testing, and Software Process.
- Scientific research and practical application have an essential place in the program.

BSc Business Informatics - **University of National and World Economy** - Sofia, Bulgaria - 5.5/6 GPA

- A full time four year, Computer Since related bachelor program.
- Topics covered included Programming, Algorithms, Computer Architectures, Operating Systems, Networks, Internet Technologies, Software Engineering, etc.

Practical Software Engineer - **Telerik Academy** - Sofia, Bulgaria - Graduated with excellence.

- Highly intensive one-year coding boot camp concentrated on JavaScript, .NET and related technologies and topics.
- The program had a specific focus on High Quality Code and how to apply it in practice.

Skills

MEAN Stack

JavaScript ES6+, TypeScript, Angular 2+, Express, MongoDB, Mongoose, lodash, JQuery, KendoUI, NPM, ESLint/TSLint, HTML, CSS, Jasmine, Chai, Mocha, Sinon, Karma, Jest.

.NET Stack

C#, ASP.NET MVC, ASP.NET WebAPI, ASP.NET SignalR, ASP.NET Core, LINQ, ADO.NET, Entity Framework, Entity Framework Core, Roslyn, MEF, Visual Studio Add-on Development, NugGet, xUnit, NUnit, MSUnit, KendoUI MVC, WPF, WCF, ASP.NET WebForms, WinForms, Windows Services, StyleCop, FxCop.

Databases

Microsoft SQL Server, MySQL/MariaDB, MongoDB, Redis, Consul, SQL, T-SQL, XML, JSON, JSON Schema.

Computer Science Concepts

Object Oriented Programming and Design, Functional Programming, Design Patterns, High Quality Code, Code Smells and Refactoring, Software Craftsmanship, Data Structures and Algorithms.

Dev Tools

Atlassian tools (JIRA, Confluence, BitBucket, HipChat, Bamboo), CI Tools(Jenkins, AppVeyor), Git, SVN, TFS, GitLab, GitHub, Docker.

Soft Skills

Self-motivation, Teamwork, Creativity, Communication, Decision Making, Time Management, Conflict Resolution, Leadership, Adaptability.

Other

Python 3, PyLab, PyPlot, Flask, PyUnit, Non-commercial experience with Haskell, Java, Rascal, Haskell, R.

Projects and Open Source Contribution

Software University Learning System(SULS)

E-learning system consisting of various modules built using the .NET stack (ASP.NET MVC/Web API, Microsoft SQL Server, Entity Framework), HTML5, JavaScript, KendoUI, etc.

Open Judge System(OJS)

Various contributions to the OJS Open Source project and the Software University fork, including internationalization, refactoring, additional features and more.

"Programming=++ Algorithms;" translation and refactoring

Java and C# translation and refactoring for the source code of the book "Programming=++ Algorithms;".

MoreDotNet

A combination of useful extension methods and helper methods for the .NET Framework and the .NET Standard.

AspNetCore.Mvc.HttpActionResult

A collection of HTTP status code action results and controller extension methods for ASP.NET Core MVC projects.

Survey Domain Specific Language(SDSL)

An internal domain specific language for easy creation of printable surveys. The language was created using the .NET Framework and ANTLR as a parser generator.

Programming Basics Books

Taking part in the writing and editing of the "Programming Basics with C#/Java/JavaScript/Python" books.

FactorR

A practical research project dedicated to developing a new approach for automatically recommending move module refactorings. The implementation of the new approach was done using the .NET Framework and the Roslyn compiler. R and Python were used for data analysis and visualization.

Certificates

Microsoft

- MS: Programming in HTML5 with JavaScript and CSS3
- MCSD: Web Applications

Telerik Academy

- Telerik Software Academy 2012-2013
- .NET Developer
- Windows 8 XAML Developer
- XAML Front-End Developer
- ASP.NET Web Developer
- JavaScript Developer
- Mobile Application Developer
- Web Front-End Developer
- Windows 8 JavaScript Developer
- Server-Side Developer
- C# Programer
- Website Developer

Stanford Lagunita

- CS: Mining Massive Datasets
- SciWrite: Writing in the Sciences
- CS1: Compilers
- StatLearning: Statistical Learning
- DB13: On-Line Analytical Processing(OLAP)
- DB11: Constraints and Triggers
- DB6: XPath and XQuery
- DB5: SQL
- DB3: JSON Data
- DB2: XML Data

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edX

- AdelaideX - Code101x: Think. Create. Code.
- AdelaideX - Project101x: Introduction to Project Management
- BUx - Math226.1x: Introduction to Differential Equations
- BUx - Math226.2x: Linear Differential Equations
- BerkeleyX - CS169.1x: Engineering Software as a Service, Part 1
- BerkeleyX - CS169.2x: Engineering Software as a Service, Part 2

- Catalystx - IL5x: Inclusive Leadership Training: Leading with Effective Communication
- ColumbiaX - DS102X: Machine Learning for Data Science and Analytics
- ColumbiaX - DS103x: Enabling Technologies for Data Science and Analytics: The Internet of Things
- DelftX - FP101x: Introduction to Functional Programming
- DelftX - OG101x: Open Government
- FullbridgeX - Career Edge 1x: Design Your Career
- FullbridgeX - Career Edge 2x: Communication and Teamwork
- FullbridgeX - Career Edge 3x: Business and Data Analysis
- FullbridgeX - Career Edge 4x: Analytical Problem Solving and Design Thinking
- FullbridgeX - Career Edge 5x: Resume, Networking, and Interview Skills
- HKPolyUx - ISE101x: Knowledge Management and Big Data in Business
- HKUSTx - COMP102.1x: Introduction to Java Programming - Part 1
- IIMBx - IS110x: Innovation and Information Technology Management
- LinuxFoundationX - LFS101x.2: Introduction to Linux
- MITx - 18.01.3x: Calculus 1C: Coordinate systems and infinite series
- MITx - 6.00.1x: Introduction to Computer Science and Programming Using Python
- MITx - 6.00.2x: Introduction to Computational Thinking and Data Science
- MichiganX - DS101x: Data Science Ethics
- Microsoft - DAT201x: Querying with Transact-SQL
- Microsoft - DAT202.3x: Implementing Predictive Analytics with Spark in Azure HDInsight
- Microsoft - DAT203x: Data Science and Machine Learning Essentials
- Microsoft - DAT206x: Analyzing and Visualizing Data with Excel
- Microsoft - DEV204x: Programming with C#
- Microsoft - DEV205x: Architecting Microsoft Azure Solutions
- Microsoft - DEV208x: Introduction to jQuery
- Microsoft - DIS50.2: Developing International Software: Part 2
- Microsoft - INF201.22x: Optimizing Microsoft Windows Server Storage
- MongoDBx - M101x: Introduction to MongoDB using the MEAN Stack
- UC3Mx - IM.1x: Introduction to Management Information Systems (MIS)
- UC3Mx - INF.1x: The Software Architect Code: Building the Digital World
- UC3Mx - IT.1.1x: Introduction to Programming with Java - Part 1: Starting to Code with Java
- UTAustinX - UT.7.20x: Foundations of Data Analysis - Part 2
- UTx - BE101x: Behavioural Economics in Action
- W3Cx - HTML5.1x: HTML5 Part 1: HTML5 Coding Essentials and Best Practices
- W3Cx - HTML5.2x: HTML5 Part 2: Advanced Techniques for Designing HTML5 Apps

MongoDB University

- M101JS: MongoDB for Node.js Developers
- M101N: MongoDB for .NET Developers
- M102: MongoDB for DBAs
- M123: Getting Started with MongoDB Atlas
- M201: MongoDB Performance
- M310: MongoDB Security
- M312: Diagnostics and Debugging

Gymnasium

- Information Design and Visualization Fundamentals
- JQuery Building Blocks
- JavaScript Foundations
- Modern Web Design

- Responsive Web Design
- UX Fundamentals
- Writing for Web & Mobile

Other

- IELTS - British Council

Volunteer Work

Software University Foundation - **Technical Writer** - Sofia, Bulgaria

Wrote several chapters for the 'Introduction to Programming' books published by the Software University Foundation.

EPAM - **Lecturer and Assistant** - Sofia, Bulgaria

Took part in the in-house developers trainings in various topics like Git, Pair programming, Git-Flow, T-SQL, Stored procedures, etc.

Software University - **Lecturer and Assistant** - Sofia, Bulgaria

I took part in the introductory courses in Java, C#, Web Fundamentals and Teamwork and Collaboration as a volunteer lecturer and assistant.

Telerik Academy - **Lecturer and Assistant** - Sofia, Bulgaria

I helped with the organizations of the C# Part 2 Workshops and assisted the students if they needed any help. Additionally, I was involved as an assistant in several of the C# and Web courses.