Branko Crnogorac
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C# AND .NET DEVELOPER

I am a C# and .NET Developer with more than 6 years of professional expertise in software development. I have designed and built various solutions to solve a wide range of business challenges by implementing the best practices for each particular solution. I have also built a number of projects from the bottom up, handling all aspects of front-end, back-end, database, and cloud development.

I consider myself as a committed person with a positive attitude who is always willing to learn new tools and technologies.

INDUSTRIES

Banking and finance, insurance and reinsurance, retail and wholesale, healthcare, government, information technology and services, professional services, computer software.

TECHNICAL SKILLS

BACK END	C#, VB.NET, .NET 6, .NET Core, ASP.NET MVC, ASP.NET Web Forms, .NET Framework, SignalR, GRPC, GraphQL, Docker, Swagger, SQS Queue, Amazon S3, RabbitMQ, Entity Framework, Hangfire
FRONT END	JavaScript, CSS, jQuery, AJAX, HTML, Bootstrap, Vue.js, Angular
DESKTOP	WinForms, DevExpress
PATTERNS AND PRACTICES	REST, SOAP, SOLID, MVC, Onion Architecture, Mediator, Unit of Work, DDD, KISS, DRY
UNIT TESTING	NUnit, xUnit, Moq
CONTINUOUS INTEGRATION	Jenkins, Terraform, AWS
DEV TOOLS, PROFILERS	MS Visual Studio, MS SQL Management Studio, ReSharper, VS Code, pgAdmin, .NET Memory Profiler, Visual Studio Profiling Tools
SOURCE CONTROL TOOLS	TFS, Git
MOBILE TECHNOLOGIES	Android
DATABASES	MS SQL, MySQL, SQLite, MongoDB, PostgreSQL
SECURITY	OAuth, OpenID Connect, JWT, SSO, Identity Server 4, OpenIddict
METHODOLOGIES	Agile, Scrum

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EXPERIENCE

TECHNICAL LEADERSHIP

Customer: Rokolabs ltd. New York, USA - A strategic product and technology consulting company

Project description: I guided the team over technical doubts and gave them recommendations when needed. I also supported the team throughout their self-improvement processes.

Team size: 6 BE team members

Involvement duration: 1.6.2022. - now

Role: Lead Developer, Team Leader

Responsibilities:

· Cultivated collaboration with a focus on quality and delivered the product in time.
· Mentored and onboarded the team members.
· Evaluated the team members' success and guided them through the self-improvement process.
· Led technical interviews.

Tools and technologies: Jira, Confluence, Sentrifugo.

MANAGEMENT PLATFORM DEVELOPMENT

Customer: Rokolabs ltd. New York, USA - A strategic product and technology consulting company

Project description: On this project, we developed a platform for managing all aspects of corporate facilities and property projects.

Team size: 6 BE team members

Involvement duration: 1.11.2021. - 1.6.2022.

Role: Senior Back-End Developer

Responsibilities:

· Developed the platform based on micro-services using DDD.
· Set up the development process guided by Scrum using Jira and Confluence.
· Hosted the platform in AWS.
· Developed identity service using OpenIddict, OAuth 2.0, and OpenID Connect.
· Provided services powered by AWS products: SQS Queue, S3, and Amazon Textract.

Tools and technologies: .NET 6, Jenkins, Terraform, PostgreSQL, Entity Framework, GraphQL, RESTful API, RabbitMQ, Docker, Swagger, SQS Queue, S3, Amazon Textract, OpenIddict, OAuth 2.0, OpenID Connect, AWS, Jira, Confluence.

FREELANCE PROJECTS

Customer: Various customers

Project description: As a Freelance Developer, I was involved in different projects and teams to solve a wide range of business and technical challenges. I developed websites, created new features for the existing products, implemented data transfers, developed applications, and so on.

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Team size: 1−10 team members

Involvement duration: 1.2.2020. - 1.11.2021.

Role: Freelance Developer *Responsibilities:*

· Developed a website and back-office application for Croatian Bureau of Statistics.
· Created a web quiz about Croatian Mountain Rescue Service.
· Maintained and developed new features for a web shop and for the web claims system of Croatia and Slovenia.
· Created an Android TV application for automatically played streams on Smart TVs for a telecommunication company.
· Created a WordPress site about archaeological sites. Developed a WordPress theme and implemented interactive QGIS map using the Leaflet map framework.
· Developed a B2B web shop based on nopCommerce for a Croatian company.
· Implemented data transfer, data synchronisation, and discount logic in the ERP system.
· Implemented PayWay and W SPay payments in nopCommerce web shops.
· Created an application for generating laboratory COVID test results and a web application for generating QR codes.

Tools and technologies: .NET, .NET Framework, Umbraco, C# Vue.js, TypeScript, Examine Search, d3 graphs, HTML, jQuery, CSS, Knockout.js, JavaScript, .NET Web API, Java, Android, QGIS map, WordPress, PayWay, WSPay, nopCommerce, NoSQL.

SUPPORT OF ERP SYSTEM

*Customer: **Irata d.o.o. Zagreb, Croatia** -* A software development company

Project description: The aim of the project was to maintain and add new features to the existing enterprise resource planning (ERP) system. Apart from that, we also designed and built the custom applications for the company's clients.

Team size: 8 team members

Involvement duration: 1.10.2017. - 1.2.2020.

Role: Full-Stack Developer

Responsibilities:

· Created an identity server for SSO using .NET Core, C#, Identity Server 4, OpenID Connect, and OAuth 2.0.
· Developed a .NET Core web application for document signing using .NET Core, C#, SQL Server, RESTful API, DevExpress, and SSO.
· Developed a .NET Core web application for vacation requests in large companies using .NET Core, C#, SQL Server, REST API, DevExpress, and SSO.
· Developed a Windows tray application for adding digital signature on PDF documents using .NET 5.0 and C#.
· Maintained the existing databases and optimised queries using SQL Server.
· Presented data by creating reports using WinForms, VB.NET, DevExpress, and Active Reports.
· Maintained the back-end services application using VB.NET, WCF, and RESTful APIs.

· Developed 2 Android applications— one for warehouse inventory, another for maintaining warehouse orders—using Java, SQL Local Database, Retrofit 2, and Barcode Reader.

· Developed a logic platform inside the ERP system for maintaining orders using VB.NET, WinForms, and SQL Server.

Tools and technologies: .NET, C#, JavaScript, WEB API, SQL Server, .NET Core, Identity Server 4, OpenID Connect, OAuth 2.0, RESTful API, DevExpress, SSO, WinForms, VB.NET, SQL Local Database, Retrofit 2, Barcode Reader.

LANGUAGES	

· English— upper-intermediate
· Croatian— native

EDUCATION	

MS in Computing

Croatian University in Zagreb, Faculty of Electrical Engineering and Computing

BS in Computer Engineering

Croatian University in Split, Faculty of Electrical Engineering, Mechanical Engineering and Naval Architecture