

Name:

Role: SENIOR .NET DEVELOPER (ENGINEER)

Summary

Software Engineer with over 6 years of professional experience building scalable backends for high-throughput web applications in C# and Java, deploying on heterogeneous environments.

2 years' experience as a Tech Lead, coordinating development efforts on product's NFRs. 1 year and a half's experience teaching undergrad Software Architecture.

Client-focused and skilled at communicating between business expectations and technical requirements.

Domain Experience

High performance Backend Systems. Computer Networking. Performance testing. Application profiling. SCRUM.

Core Technical Skills

Languages & Technologies: .NET Technologies (Framework, .NET Core, ASP .NET Core), JavaScript, JSON, XML, HTML, CSS, Java.

Databases: SQL server, Oracle, Redis

Tools: Visual Studio, Visual Studio Code, JetBrains's suite, Git, GitHub, JIRA, Azure DevOps, SQL Server Management Studio, SQL Developer, Gatling, , Docker, Docker Compose

Techniques & Methods: Agile Development, TDD, Clean Code

Education and Training

Qualifications: Bachelor's degree in Software Engineering & Computing, John Doe University (Macondo, Colombia), 2008 – 2013

Trainings: Scrum

Languages: Spanish (Fluent), English (C1), French (20%)

Recent Projects

I have recently been working on tools for internal company use, these tools allow the shopping consultants analyze the information to improve the bookings and design strategies for our customers.

JAVA BACKEND DEVELOPER (ENGINEER), *Stabilization & feature catch-up of secondary platform for a popular UK-based BPM solution***(November 2014– March 2016)**

Development and maintenance of the secondary delivery platform of a business process management engine. Achieve reasonable feature-parity with the main platform to widen market-share and enable an easier lead development process for the sales department.

Responsibilities:

- Migrate metadata repository from legacy implementation to a platform-neutral design.
- Client support for priority fixes and NFR-related issues.
- Extensive dependency inversion refactors.
- Unit test implementation
- Code Review.

Achievements:

- Successful migration from Java 6 to 8
- Improved code maintainability through extensive use of Dependency Injection & mock-assisted unit tests
- Enabled main platform (.NET) and secondary platform (Java) to use the same metadata repository, thus improving testability and benchmarking for projects.

Technologies:

- Java 6, Java 8
- SQL Server, Oracle
- Git, Maven. Jira, Jenkins, JBoss, IBM WebSphere, Oracle WebLogic

.NET DEVELOPER (ENGINEER), *Race to cloud on a traditional on-premises UK-based BPM solution*
(March 2016 – April 2017)

Development regarding necessary technical and architectural modifications in order to run a traditionally .NET on-premises solution on a PAAS environment at Azure. Migration from TFS version control to git. Markdown-based technical documentation

Responsibilities:

- Slimming down of relevant modules so they could run on Azure's web app offering.
- Moderation of database resource usage during migration to Azure SQL service.
- Improve engine response times and reliability during new metadata upload.
- Part of the architecture transversal team, give feedback on results of deployment architecture decisions
- Code Review of partners.

Achievements:

- Successful migration from TFS to git. Mothballing of old repo
- Launch of usage-based SAAS cloud offering for select clients.
- Increased coverage of automated testing suites for the CI process
- Documentation as a mandatory deliverable for the QA team at the end of every cycle.

Technologies:

- .NET 4.6.1, C#, Markdown
- Oracle, SQLServer, Azure TableStorage
- Docker
- Git, mkdocs, TFS, Jira, Azure, VSTS (now Azure DevOps)

SENIOR .NET DEVELOPER (ENGINEER), *Non-functional requirements development & support for the core engine of the main product on a UK-based BPM solution****(April 2017 – February 2021)***

Close monitoring of NFR concerns at the company's core engine, particularly the asynchronous workload processing unit. Performance and reliability improvements during high concurrency intervals. Development of internal real-time performance diagnostic tools.

Responsibilities:

- Close relationship with QA team regarding test scenarios and performance metrics for the product's workflow engine.
- Spearheading the design of the dev team's git workflow.
- Profiling of both development and production environments during performance issues.
- Concurrency-focused development, taking care to rid the product of race conditions and deadlock scenarios.
- Improve product reliability and time-to-diagnosis through log consolidation
- Development of internal low-footprint diagnostics framework.
- Code reviews

Achievements:

- Threefold increase of workload-per-time unit on real-life sample scenarios
- Almost complete eradication of database-bound deadlocks during normal product operation.
- Increased reliability of asynchronous workload processing during "rush hours"
- Enabled local diagnostics tool to be enabled at production environments.

Technologies:

- .NET 4.6.1, C#, Markdown
- Oracle, SQLServer, Azure TableStorage
- Docker
- Git, dotTrace, mkdocs, Azure, VSTS (now Azure DevOps)

TECH LEAD – ENGINE PERFORMANCE TEAM (ENGINEER). *Team charged with non-functional concerns at the backend of the company's core product*

(October 2018 – February 2021)

Technical leadership of the engine performance team (backend) for the company's core product. Communication between middle management (strategic concerns), clients (business requirements) and team members (technical requirements). SCRUM tracking of development cycles & milestones.

Responsibilities:

- Team member performance assessment and feedback sessions.
- Improving personal soft-skills regarding both project and personal tracking.
- Daily and weekly meetings regarding workload distribution and goal tracking.
- Managing team's morale during crunch time.

Achievements:

- Team size increase from three engineers to four developers and one DBA
- Espirit de corps within the team, regarding tough performance challenges no one else could fix
- Team consistently achieved high marks in customer satisfaction and work processing.

Technologies:

- Azure DevOps (SCRUM), Smartsheet, mkdocs