Matteo Bortolazzo

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ESW (Contract)
Remote
Jan 2023 - Now

Engineering Lead
- Led the **Platform Security** team (5) driving authentication and authorisation for all UIs an APIs by developing portals, pipelines and tools.
- Led and designed a complex the migration from proprietary authorization system to a 3rd-party **RBAC**, and **ReBAC** solution.
- Lead and designed multiple solutions to automate costly and time-consuming processes.
- Led the integration of **SSO** into the legacy orders system, **Azure AD B2C**, and **SCIM** to offer more authentication options and synchronization.
- Pushed the team for technical excellence, quick tickets response and keep tech debt at minimum.
- Use of .NET microservices, Angular microfrontends, Cosmos DB, Azure SQL, Kafka, K8s, IdentityServer4 to design and implement solutions.
- Use of unit, integration, E2E tests and full CI/CD with feature flags to ensure quality and reliability

ESW (Contract)
Dublin, IE
Sep 2019 - Jan 2023

Senior Software Engineer
- Developed both front and back ends for different new applications (*.NET, Angular*).
- Developed libraries for teams. From security to databases and change detections.
- Developed authentication, authorisation and user management applications based partially on *IdentityServer4*.
- Developed the core components of ESW's *Design System* with **StencilJS** and **PostCSS**.
- Worked on many solution desigs for different features and projects.

Permanent TSB (Contract)
Cork, IE
Mar 2019 - Aug 2019

Senior .NET Developer
- Implemented Payment Services Directive 2 (.NET Core, IIS, TFS).
- Refactored old code to have a solid base for the future.
- Developed a test library for model validation. A similar implementation is on my **GitHub**.
- Developed a code-to-SQL library to synchronize environments since EF Core migrations were not an option.
- Developed a logging, extendable, middleware with Serilog.
- Architected part of the infrastructure and policies of the project.

PassperTu
Asolo, IT
May 2017 - Mar 2019

Lead Developer
- Architected and developed cloud infrastructure for search engine (.NET Core, NGINX, Docker, K8s, Azure).
- Designed and developed frontends to work with the cloud platform (Angular, Ionic).
- Built CI/CD pipeline for servers, clients and packages with Azure DevOps.
- Led and mentor a team of 5 developers of different experience and skillset.

Point Security Software
Castelfranco V., IT
Jun 2010 - May 2017

Frontend Developer
- Developed desktop, mobile and web user interface to manage alarm systems
- Developed a support ticketing platform, both backend and frontend.
- Designed mockup for all platform and implemented low-level alarm system TCP protocols.

MAIN PROJECTS

Teaching
2024 - Now

- Teaching at Higher Technical Institute the Modern DevOps module
- Advanced git, CI/CD, Docker, K8s and AI.

CouchDB .NET ⌹
2019 - Now

- Developed an ORM to query and manage CouchDB from .NET (200k+ downloads).
- Used reflection and expression tree to convert **LINQ into JSON** much Entity Framework.

EDUCATION

University Of Padua
2013 - 2017

Bachelors
Computer Science

ITIS Barsanti
2008 - 2013

High School
Computer Science

SKILLS

Azure, .NET, EF Core, Cosmos DB, Angular, React, Docker, K8s, SignalR, Semantic Kernel