Samuel BUCHER

Senior Full Stack Developer – Industrial systems

19A route d'Aspach 68800 Vieux-Thann
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0672498943

33 years
Driving License + car
French and Swiss nationality

About me

With over 10 years of experience in software design and development, I work on critical systems in industrial environments: traffic management (ATMS), railway safety, aviation, nuclear. I develop within hexagonal and event-driven microservice architectures, with a strong focus on quality (TDD, CI/CD).

Work experiences

Aug. 2022 – Sep. 2026
IT Consultant — Web App Factory, Vieux-Thann
Advanced Traffic Management System (ATMS): development of modules in a hexagonal microservice architecture.
Building Management System (BMS), railway safety, aviation security audit, nuclear test monitoring, medical-administrative management.
Analysis, design, integration, Test-Driven Development, testing, CI/CD.
Java JEE (Spring), RXJava, API RestFul, Websocket, SSE, RabbitMQ, Angular, ReactJS, Laravel, Symfony, D3JS, RXJS, Leaflet, MxGraph, Struts, SSO, OIDC, Docker, Devcontainer.

May 2019 – Jul. 2022
Full stack web developer — AUBANS, Strasbourg - Eiffage Energie Systèmes, Mulhouse
Web platform for managing household waste flows.
Building Management System (BMS) for the automotive industry: editing and animating supervision synoptics.
Analysis, Conception, Integration, Test-Driven Development, Deployment.
Java JEE (Spring), API RestFul, AngularJS, ReactJS, Leaflet, MxGraph.

Jul. 2015 – May 2019
Web developper — Elpev, Mulhouse
Cross-channel web platform to accelerate the enterprise communication.
Analysis, Design, Integration, Web Development, Maintenance.
PHP (Symfony 2), Golang, API RestFul, AngularJS, Angular2, D3JS, FabricJS, TCPDF.

Feb. 2015 – Jun. 2015
Web and Java developper — Stemys, Porrentruy (Swiss)
4 months internship. I worked on two different web applications. The first promotes physical and soft activity. The second manages beacons installed at our partners.
Analysis, Design, Integration, Web Development.
Java JEE (Spring), API RestFul, AngularJS, Materialize CSS.

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Training

2013-2015 UFR STGI Sciences, Techniques et Gestion de l'Industrie
Product and Multimedia Services Master Degree, Montbéliard
Multimedia Integration and Communication, Internet Technologies, Numeric arts, Management.

2010-2013 UFR ST Sciences et Techniques
Computer Science Degree, Besançon
Operating System, Database, Network, Design, Development, Logic, Web App, Langages.

Skills

Project management
- V model
- SCRUM

Design
- UML 2.0
- Test-Driven Development (TDD)
- Design pattern

Front end
- ELM (functional)
- JS (AngularJS, ReactJS)
- TS (Angular 2 to 21)
- D3JS
- Leaflet
- MxGraph
- RxJS

Back end
- Golang
- PHP (Symfony 2 to 8)
- Java, Spring
- Laravel
- RxJava
- Struts

Web design
- HTML5, CSS3 (Bulma, Material UI, Bootstrap, Flexbox, PrimeNG, Material Angular)
- RWD, Mobile First
- Photoshop, InDesign

Versioning
- GIT (GitLab, Bitbucket)
- SVN

Other
- Web services (RestFull, JSON, XML)
- Docker, Devcontainer
- SQL (Postgres, Oracle, MySQL)
- RabbitMQ, WebSocket, SSE
- CI/CD
- OPC UA, TCP/IP
- SSO, OIDC

Languages
- French
- English
- German