

# Alexander GOLDSTEIN

Senior Developer

11 years of experience (37 years old)

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## Presentation

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*FullStack JS - TS - C# - PHP developer, with a penchant for UX/UI (design - mockup - animation - integration), and a follower of best practices (clean code, TDD, pair programming, SOLID.*

*Autonomous and versatile, always wanting to progress and learn, loves being challenged and is not afraid to get involved in new languages or new technologies.*

## SKILLS

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- **FrontEnd:** JavaScript, TypeScript, Angular (version 2 to 17), VueJS, RxJS, NGRX, jQuery, HTML, TailwindCSS, Twig responsive design...
- **Back:** Php, C#, NodeJS, C++, Symfony 2
- **Database:** Postgres, MySQL, MongoDB, MariaDB
- **Test:** unitary and automated (Xunit, Cypress)
- Mockup, integration
- Web performance optimization (lazy loading, critical css, minification)
- Accessibility and SEO
- Docker, Github, Gitlab, Azure Devops, CI, CD, product versioning
- **Soft Skills:** Very good interpersonal skills, good communication

## Studies

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- 2017 Master Designer Developer – IPI School (Paris)
- 2015 BTS SIO option Dev – ITIC School (Paris)

## LANGUAGES

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- English – C1: Advanced (lived 2 years in Australia)
- Italian – B1: Intermediate
- Spanish – A2: Elementary

## Interests

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- Chess
- 3D modeling, animations, Pixel arts

# Experiences

## Bassetti Talent Pool (March 2024 – present)

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### Fullstack Developer Consultant

*BASSETTI TALENT POOL provides talent to help you carry out your engineering projects*

**Methodology & Team:** 7 developers, 1 team leader / Agile Scrum - sprint ranging from 2 to 6 weeks

**Project :** At Aximum Technologies Nouvelles: specialist in traffic study projects; **traffic analysis and management**, road asset diagnosis and management, to guarantee safe, sustainable and responsible mobility. Independent work on the Symart application, the interface for traffic regulation.

### Tasks :

- Backend development of a manager communicating with a software bus to enable smooth and real-time transfer of information between around ten external systems
- Creation of UDP / TCP Socket to communicate with intersection controllers and control traffic regulation - encoding and decoding of DIASER frame, the Standard Dialogue of Traffic Regulation Equipment)
- Development of a manager (front and backend) to manage the priority of VTC (public transport vehicles) in the city of Colmar
- Creation of dynamic graphical interfaces of theoretical/real approach curves in time/distance and time/time for each bus/tram concerned in the city
- Implementing unit and integration testing for multiple applications, where nothing was automated until then
- Use of a performance profiler to detect memory leaks / CPU usage of the application managers
- Rewriting legacy handlers from C++ to C#
- Added contextual help across the entire application with a bookmark system pointing to the documentation section depending on the components/pages displayed
- Bug Fixing of all kinds, on multiple tags, multiple environment, including the Database, installation scripts, C# backend and frontend
- Sprint planning, task estimation, code refactoring, code review by 3 people on each Pull Request to ensure proper compliance with the coding rules in force
- Writing of test notebook and validation for each development carried out (either independently or in the presence of the end customer concerned)
- Integration of desktop and mobile interfaces
- Building Azure Pipelines to Automate C#/C++ Manager Dependency Builds
- Public demo to show features with each new version release
- Updated documentation and internal wiki, as well as dependencies and libraries

**Technical environments:** PHP, JavaScript, JQuery, C#, C++, ActiveMQ, MariaDB, Azure Devops, WireShark, Git, Cezpdf, PO Edit, XUnit, Xdebug, Cypress

## Horezon (November 2022 – January 2024)

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### Senior Front-end JavaScript Developer Consultant

*Horezon is a company specializing in the web and high-traffic “general public” applications.*

**Methodology & Team:** 4 developers, 1 project manager, Agile Scrum (1 sprint per week)

Agile rituals (daily scrum meeting, planning, estimation of task complexity, live demonstration to the client)

**Project :** In the Steamulo agency, mission for the client account Union Social de l'Habitat, **graphic redesign** from the USH website (current visual from <https://www.union-habitat.org/>)

#### Tasks:

- Integrating responsive mockups on Adobe XD for different mobile and desktop screen resolutions
- UX/UI issues to be solved by collaborating with the end client
- Front-end development with Tailwind v3.0 and Twig templating tools to quickly deliver a large number of reusable components for their website, continuous integration
- Being proactive in proposing interfaces while respecting the graphic / design guidelines imposed by the client
- Creation of template / multiple blades views because the content had to be contributed directly by the client afterwards

**Technical environments:** Tailwind v3.0, Twig, JavaScript, HTML 5, CSS 3, Adobe XD, Drupal, Git

## Maarch (September 2018 – October 2022)

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### Fullstack Developer

*Maarch, a software publisher specializing in document management and dematerialization, which offers 4 open source products such as a digital safe, a signature book, an EAS (electronic archiving system)*

**Methodology & Team::** 6 developers, 1 Product Owner, 1 Product Manager / Agile Scrum - 2 week sprint

Agile Scrum rituals: sprint planning, daily scrum meeting, planning and estimation of US complexity, sprint review, public demonstration, retrospective, 2-week iteration

**Project 1:** Maintenance, optimization and frontend graphic redesign of **MaarchRM** and **Maarch Courier**, 2 open source scanning solutions. (Historical products with 15 years of existence)

**Project 2:** New product launch, Frontend development and design, UX/UI issues, graphic mockup, automated testing. (Product launched in September 2023)

## Tasks:

- Frontend Development with Angular Framework 10 to 14
- Graphic redesign in Angular (javascript typescript) and maintenance of an open source electronic archiving system <https://maarch.com/maarch-rm/>
- Optimization of web performance and so-called loaded/heavy interfaces via lazy loading, AOT (Ahead Of Time) compilation and with the implementation of compressed images.
- Application of best practices, naming rules, compliance with SOLID principles, code review
- Creation of components, models, views, services, creation of responsive interfaces for desktop and mobile with TypeScript, jwt, RxJs, NGRX, pipe, HTML5, CSS / SASS, Flexbox
- SEO optimization, improvement of user experience
- Improved application accessibility
- Writing and developing complex schemas with conditional relationships, ACLs, GDPR concepts with Doctrine
- Writing E2E automated tests with Cypress and documentation, internal wiki in markdown for the design of a new product (since October 2021). Writing a tour guide for each existing product
- Continuous implementation of new features and product tag/versioning management.
- Update of the technical stack, docker images, and tour guides for the 4 products
- Integration with customers regardless of the technical environment and deployment in production on Gitlab
- Participation in digital trade shows / public demos to disseminate / promote the company's products
- Technical support and training in product configuration directly at end customers' premises
- Anomaly management and bug fixing via Redmine tool and Angular store (NGRX) for cache management

**Technical environments:** JavaScript, TypeScript, Angular 10-14, RxJS, HTML 5, CSS 3, SASS, Flexbox, Bootstrap, SOLID Principle, Figma, JWT, REST Api /JSON, PHP, Doctrine, PostgreSQL, Gitlab, Docker, Cypress, Redmine, Postman

## **Comptoir (January 2018 – September 2018)**

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### **Confirmed Frontend Developer**

***Comptoir is a digital agency created in 2006 which supports hundreds of clients in their transformation or the development of their solution / sites / products.***

Project: Site redesign, development of sites and management applications

- Intervention as developer / integrator / designer on different projects
- Design and delivery of interfaces and UX/UI mockups within short deadlines (< 1 or 2 weeks)
- Writing tests and technical-functional specifications (Use Case, UML, etc.)
- Processing anomalies and customer feedback via Jira

Technical environments: JavaScript, TypeScript, Angular, ReactJS, InfernoJS, CSS, Less, PhotoShop, PHP, Jira, MongoDB

# Fongecif (March 2015 – December 2017)

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## Frontend Developer

*Fongecif is a company dedicated to professional training for employees in the Paris region. It offers thousands of training courses and is a crucial starting point for those wishing to move towards professional retraining..*

**Methodology & Team:** 1 PO, 4 experienced developers, 1 apprentice (2-week sprint)

**Project :** Fongecif Ile de France Portal Site, maintenance, testing and optimization of the website

### Tasks:

- Development of interfaces and new functionalities of the FIF portal (Fongecif Ile de France)
- Migration of the site from AngularJS (version 1) to Angular 2+, with a rework of the site's logic and architecture primarily aiming at performance optimization and responsiveness
- Technical support and handling of internal and external bugs/requests via Jira
- Improved user experience, responsive site for different screen resolutions with Typescript, Bootstrap, Flexbox, HTML & CSS
- Optimization of response times, performance (lazy loading, image minification) and site SEO
- Writing documentation, participating in code reviews

**Technical environments:** JavaScript, TypeScript, HTML, CSS/LESS, AngularJS, Angular 2, C#, Bootstrap, MongoDB