

Sami Ghazouane

Software Engineer
Operations Research
Agilist & Pedagogy

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Experience

Development

- 2022 **Lead Full Stack Developer**, *Pytheas Capital Advisors*, Biarritz & Paris
Full Stack Developer (*Quarkus, NestJS, React, ClickUp, Teams*)
Technologies used:
 - Javascript: Node, NestJS, Meteor, React, Apollo, XState, Emotion, Storybook, Jest, Cypress
 - Java: Quarkus, JUnit, RabbitMQ
 - DB: Mongo, PostgreSQL
 - DevOps: GitLab, K8s, Docker-Compose, ArgoCD
 - Other: ETL, Keycloak, RabbitMQ, ArtilleryResponsibilities :
 - Development of an invoice generator *Factur-X – ZUGFeRD* (Java, Quarkus, RabbitMQ, REST API).
 - Development of a micro-service orchestrator (TypeScript, NestJS, RabbitMQ, XState).
 - Development of end-to-end tests of micro-services (TypeScript, RabbitMQ, Docker, GitLab).
 - Front-end & back-end development of the application (React, Meteor, Apollo, Cypress).
 - Writing of tests *Cypress, JUnit, Jest, Mocha, ...* & optimization of legacy requests *Mongo*.
 - Mentorship and participation in the technical development of two developers and of the Project Owner.
 - Project Management in 'SCRUM' mode with ClickUp.
- 2019-2021 **Lead Front-end Developer**, *Symment*, Bayonne, *Remote work*
Front-end Developer and Project Manager (*React, Redux, XState, Tailwind, Storybook, Jest, Jira, Slack*)
Responsibilities :
 - Refactored a Front-end application from Symfony/Twig to React.
 - Developed a full-stack ZOOM widget.
 - Managed the project using SCRUM methodologies on Jira.
 - Supervised and participated in the technical advancement of two web developers.
- 2019 **Adviser and Lead Developer**, *Expateo*, Bidart, *Remote work*
Full-stack Developer (*Node, React, Docker*).
Responsibilities :
 - Refactored a front-end application from Angular to React.
 - Led the migration of a PHP API to Node.
 - Implemented TDD in the technical team to stabilize CI/CD.
 - Supervised and participated in the technical advancement of two junior web developers.
 - Conducted individual technical interviews with consultants.
 - Participated in the implementation and broadcast of security guidelines.
- 2018 **Hybrid Web Developer**, *Glorytech*, Bidart
Full-stack Developer (*Node, React, Cordova, Docker*).
- 2016-2018 **Front-end Web Developer**, *Onrewind*, Bidart
Front-end developer.
Work done (*Node, React, Redux, Python, FFmpeg, and AWS*):
 - Maintenance of a REST API (Node, Express).
 - Redesign of the administration panel (Node/React/Redux ♥).
 - Maintenance and improvement of web players (React).
 - Creation of a video processing tool (FFmpeg, Python, and Celery).
- 2012-2015 **Software Developer**, *Kreapixel*, Prignonrieux
Software Manager.
Responsibilities:
 - Creation of a multi-media, multi-platform player (C#).
 - Creation of an automatic software deployment manager for Windows (PHP, Autolt).
 - Creation of a third-party software installer creator for Windows (Autolt).
 - Participation in the creation of Adobe Air applications.

Summer **Web Developer**, *Victor Segalen University*, Bordeaux
2009-2010 Creation of the alumni liaison website.
Development of the company's (EBS-ECO) website.

Training

2018-2019 **Trainer JS(React/Node) & PHP(Symfony 4)**, *Wild Code School*, Bidart

Full Stack Trainer.

Sessions completed:

- From June to September, short session: Group of 10 Junior Javascript web developers.
- From October to December, short session: Group of 10 Junior PHP web developers.
- From February to July, long session: Group of 27 Junior Javascript web developers.

Responsibilities (*Node, React, PHP, Symfony 4, AGILE, Individual Interviews*) :

- Supervision of teams dedicated to client projects.
- Supervision and monitoring of the pedagogical team on the 5 month training. *Participation in the technical and pedagogical improvement of my colleagues.*
- Many (100+) individual technical interviews of candidates.
- Individual interviews of students.
- Organization of many *live coding, dojo, hackathon* and various workshops on React, Node, Symfony or Python.

Skills Transferred:

- Project Management: Agile, Scrum, Kanban, MoSCoW, Kaizen
- Clean Code: Git, Unix, Tests, CI/CD, Design Patterns
- Theories: Graph Theory, Algorithm, Object-Oriented Programming, Functional Programming
- Languages: Javascript, PHP, Python, Solidity
- Front-end: React, Redux, Back-end, DevOps, CI/CD
- Back-end: Node, Express, Mocha, Sequelize, SQL
- DevOps: Netlify, Heroku, Docker, Docker-compose, Traefik
- Others: Hybrid Pedagogy, Live coding, Dojo, Ice Breaker, Recruitment, Evaluation, Non-Violent Communication

Operations Research

2012 **University Internship**, *Institute of Mathematics of Bordeaux (IMB)*, Bordeaux

Study of the polyhedron of identifying codes in specific classes of graphs

2011 **University Internship**, *Institute of Mathematics of Bordeaux (IMB)*, Bordeaux

Implementation of a cutting and branching algorithm for the minimum cost connected induced subgraph problem

Miscellaneous

2015-2021 **Freelance Web Development**

Corporate websites, E-commerce websites, Training, Consulting

2007-2012 **Student Jobs**, *Multiple*, Bordeaux

Harvesting, Server, Private math teacher, Receptionist, Radio host, Leaflet distributor, Surf instructor

Training Skills

Interpersonal	Team spirit, Active listening, Non-violent communication, Conflict resolution
Pedagogical	Popularization, Hybrid pedagogy, Knowledge, skills and attitude transfer
Professional insertion	CV writing, LinkedIn, Cover letter, Skills assessment

Development Skills

Miscellaneous

Recently **Java**, *Quarkus, RabbitMQ*

Javascript, *NestJS, Typescript, Webpack, Express, React, Node, Mocha, Jest, Redux, XState, Apollo, Meteor*

Other, *Docker, Mongo, Prettier, Git, PostgreSQL*

General

Languages **Javascript, Python, Java**, *Go, C++, C#, R, Autoit, PHP, AS3, Fortran, SQL, Scilab*

Office software **LaTeX**, *Office Suite, HTML/CSS*

Environment **OSX, Ubuntu, Windows**

VCS **Git** ♥

Project management skills

Management	Meeting management, Team management, Conflict resolution, Performance appraisal
Steering	Scrum, Kanban, MoSCoW, XP, RAD
Tools	ClickUp, Slack, Trello, Jira, GitLab, GitHub, BitBucket

Operational Research skills

Artificial Intelligence	Supervised neural networks, Path Finding, Ant colony, Genetic algorithm, Min-Max, Gradient descent
Optimization	Linear, combinatorial, nonlinear, constraint-based
Algorithms	Complexity, Metaheuristics, Distributed
Other	Graph theory, Queueing, Data analysis, PORTA, AMPL

Diplomas

2012-2014	Master in Software Engineering , <i>Cesi-entreprises</i> , Blanquefort Formation in software engineering. Keywords: Management, Project management, AGILE, RAD, Software architecture
2010-2012	Master in Computer Science and Operations Research , <i>University of Bordeaux</i> , Bordeaux Formation in decisional computer science. Keywords: Operations research, Modelling, Decision support, Artificial intelligence, Meta-heuristics
2007-2010	Bachelor's in Applied Mathematics and Social Sciences , <i>University of Bordeaux</i> , Bordeaux Multidisciplinary formation. Keywords: Mathematics, Programming, Economics, Cognitive Sciences

Languages

French	Native	
English	Good Technical Skills	<i>I wrote my master thesis in English.</i>
Arabic	Dialectal	

Others

Driving License	B
Sports	Surfing, Snowboarding, Volleyball (Coach)
Hobbies	Reading, Video games (League of Legends, Old School games), CodingGames, OSS