



# Youssef El Gharbaoui

Solutions Architect - AWS SA Certified

With over 15 years of experience as a Full-Stack Developer, Tech-Lead, CTO, and Web Architect Cloud oriented, I bring a wealth of knowledge and expertise to each client I work with. My primary focus is on ensuring high code quality and providing valuable guidance throughout the development process. I understand the importance of setting up Continuous Integration/Continuous Deployment (CI/CD) pipelines to streamline the development workflow and deliver efficient and reliable applications.

## Experiences

### 2024-09 - 2020-02 Sr. Technology Architect

*Cognizant*

- Managed various projects for clients like BNP Paribas, TotalEnergies, EI-Technologies, and Grassavoye (WTW) as a Sr. Manager / Solution Architect at Cognizant
- Led a Scrum Team in building a financial system for BNP Paribas using Angular and Java, ensuring adherence to best practices and scalability
- Conducted technology cartography, system integration, and workload assessment for proposed solutions on pre-sales for TotalEnergies and EI-Technologies
- Integrated Salesforce ecosystem with a NodeJS backend and React frontend, hosted on AWS for EI-Technologies
- Designed an offline Angular app for Grassavoye that communicated via Bluetooth, prioritizing data security with encryption and secure protocols
- Managed and coached teams horizontally, handling recruitment and preparing technical tests for new hires
- Demonstrated expertise in various technologies, architectural design, and best practices, delivering innovative and robust solutions to clients

### 2020-01 - 2018-01 Technical Lead Full-Stack / Architect

*Le Groupe La Poste*

- Led the development of a V3 authentication ecosystem with a focus on building an Identity Provider (IdP) using NodeJS, OAuth2, and OpenID Connect
- Spearheaded the architectural design discussions, defining the interaction flows, token exchange mechanisms, and security protocols for the IdP
- Led the NodeJS development team, implementing robust authentication and token generation logic adhering to OAuth2 and OpenID Connect standards
- Oversaw the integration of the Identity Provider with Kubernetes, utilizing Docker for containerization and efficient application management
- Ensured the implementation of secure authentication flows, including handling authorization codes, refresh tokens, and token revocation to address security challenges
- Designed the Identity Provider to scale horizontally to accommodate the large user base of Le Groupe La Poste and implemented load balancing mechanisms for even traffic distribution

### 2018-05 - 2017-03 Senior Web Application Developer

*Amundi*

- Full-Stack Web Development: Using PHP with Symfony 3 framework, I contributed to the end-to-end development of the distributed financial asset management application
- Database Management: Proficiently working with MySQL, Elasticsearch, and Solr to optimize data storage, retrieval, and search functionalities
- API Development: Creating robust and efficient RESTful APIs to facilitate seamless communication between different components of the application
- Front-End Technologies: Implementing dynamic user interfaces using Twig, CSS, and JavaScript to enhance user experience and interactivity
- Infrastructure and Deployment: Managing the infrastructure and implementing efficient deployment processes for the application
- Continuous Integration and Continuous Deployment (CI/CD): Using Jenkins and best practices to automate testing, integration, and deployment pipelines
- Best Practices: Employing industry best practices for code quality, security, and performance optimization
- Collaboration: Collaborating with cross-functional teams, including designers, project managers, and business stakeholders, to ensure successful project delivery
- Performance Optimization: Implementing advanced techniques to optimize the application's performance and response times
- Data Analytics and Reporting: Developing features for data analytics and generating comprehensive reports for financial asset management
- Version Control: Using Git for efficient version control and code collaboration within the development team
- Problem-Solving and Troubleshooting: Diagnosing and resolving technical issues to ensure the application's stability and reliability
- Documentation: Creating detailed technical documentation for various components of the application

### 2016-12 - 2014-10 CTO

*Antipodes-M / Antipodes-Medical*

- Developing and executing the company's technology strategy aligned with business goals
- Providing technical leadership and fostering a culture of innovation and collaboration
- Overseeing project management, ensuring timely and budget-compliant project delivery
- Recruiting and managing technical resources for project teams
- Managing the company's IT infrastructure and optimizing deployment processes
- Ensuring adherence to industry best practices, coding standards, and data security protocols
- Evaluating and managing technology vendors and third-party service providers
- Collaborating with clients to understand requirements and provide technical expertise
- Staying updated with the latest technological trends and innovations
- Collaborating on budget allocation for technology projects
- Ensuring data security, privacy compliance, and disaster recovery planning
- Documenting technical processes and maintaining quality assurance
- Identifying areas for performance optimization in systems and applications
- Mitigating potential technical risks and developing risk mitigation strategies
- Exploring partnerships and collaborations to expand the company's offerings
- Evaluating emerging technologies for potential impact on products and services
- Ensuring compliance with relevant technology-related regulations
- Providing mentorship, training, and professional development for the technical team

### 2014-02 - 2012-06 PHP Web Developer

*Neo-Data*

- Developed a dynamic campaign ad mail system at Neo-Data, enabling clients to design and schedule email campaigns with personalized content based on user interactions and preferences
- Built the back-end of the ad mail system using a home-made PHP framework, creating APIs for client authentication, email list management, and content personalization based on user data stored in the MySQL database
- Integrated the front-end with the back-end, allowing clients to design email templates using HTML, CSS, and dynamic placeholders for personalized content.
- Implemented real-time validation and improved user interaction using JavaScript and jQuery
- Implemented features for clients to schedule campaigns for specific dates and times, along with reporting functionalities to track email open rates, click-through rates, and other key performance indicators (KPIs)
- Addressed scalability and performance challenges by optimizing database queries, implementing caching mechanisms, and fine-tuning the server infrastructure
- Improved email deliverability by integrating SPF, DKIM, and DMARC authentication protocols. Implemented spam prevention measures to ensure compliance with anti-spam regulations

### 2013-10 - 2011-02 CEO

*HighDesign*

- Led the development of a corporate website for a manufacturing company at HighDesign, focusing on showcasing products, services, capabilities, and commitment to innovation
- Acquired the client by presenting services and gathering specific website requirements through detailed discussions as the CEO
- Designed and developed the website's front-end using HTML, CSS, and jQuery, ensuring a user-friendly interface and appealing aesthetics
- Maintained open communication with the client throughout the development process, seeking feedback, and iteratively incorporating suggestions for client satisfaction
- Managed time and resources effectively as a one-person team, setting realistic timelines and prioritizing tasks for timely delivery
- Balanced business operations and coding responsibilities by delegating non-technical tasks, allowing a focus on the technical aspects of the project

### 2011-05 - 2010-01 Font-End Web Developer

*Actisens*

- Developed an E-Commerce website for a high-end fashion boutique at Actisens, aiming for a visually stunning and user-friendly platform to showcase products and facilitate online purchases
- Translated complex UI mockups into pixel-perfect web pages using HTML and CSS, ensuring the website reflected the boutique's brand identity and maintained consistency
- Implemented a jQuery-powered interactive product showcase, enabling users to view product details and zoom in on images for a closer look, with smooth transitions and animations for an enhanced user experience
- Integrated the website with the Joomla content management system, allowing boutique staff to efficiently manage product inventory, update content, and process orders
- Addressed the challenge of performance optimization by optimizing image file sizes without compromising quality and using CSS sprites, minified JavaScript, and CSS files to reduce load times

## Contact

**E-mail:** [youssef.elgharbaoui@gmail.com](mailto:youssef.elgharbaoui@gmail.com)

**LinkedIn:** </in/youssef-el-gharbaoui>

**Portfolio:** [yousstack.com](https://yousstack.com)

## Skills

Architecture	Databases
DevOps	TS/JS
NextJS	PHP/Symfony
Security	AWS

## Languages

French	●●●●●○ 2nd Spoken Language
English	●●●●●○ Professional level

## Certifications

2013	<b>IT Engineer</b> <i>Inst. Sup. de Technologies Appliquées</i>
2009	<b>Baccalauréat Scientifique</b> <i>Lycée Moulay Abdellah</i>