Fatima AMZIL (7 years of experience)
Software Engineer – Angular Lead Frontend Developer
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PRESENTATION

I'm Fatima, a dedicated software engineer with a strong passion for technology and its practical applications in our daily lives. My expertise lies in Angular and JavaScript technologies. I thrive in an agile environment, actively contributing to application architecture and design. I have a deep love for learning, innovation, and sharing knowledge. Beyond my work life, I'm a technical writer at Medium, a volunteer mentor at MyJobGlasses, and an Angular GDE. I also share stories about Angular on YouTube.!

Currently, I'm working on the CALYPSO program managed by ASP (Services & Payment Agency), a public organization responsible for managing state payments in France. This system offers allowances to citizens across diverse domains, including employment, agriculture, innovation, society, culture, and beyond. The main goal of CALYPSO is to make newly announced allowances quickly accessible to citizens, relying heavily on automation to generate forms, components, pages, etc., minimizing the time to market.

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SKILLS

- Methodologies: Agile (scrum).
- Frontend technologies: Angular, React, TS, JS, Ionic.
- Backend technologies: JAVA, JEE, NodeJS.
- IDEs: VS Code, Visual Studio, Eclipse, WebStorm, IntelliJ IDEA, X Code.

- Versioning and continuous integration tools: GitLab, GIT, SVN, Bitbucket, Bamboo, Jenkins.
- Other tools: JIRA, Confluence, Kantree.

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PROFESSIONAL EXPERIENCES

 Cross-functional Frontend Angular technical Lead - ASP
Nov. 2022 – Present

Client: ASP (France Service & Paiement Agency)
Role: Cross-functional Angular lead developer (4 teams).
Project: CALYPSO

Context: The CALYPSO program was created during the COVID-19 pandemic to efficiently handle high volumes of allowance requests from citizens who had lost their jobs. It has two main goals: determining eligibility for allowances and streamlining the process with automation. This flexibility ensures swift access to new allowances when announced by the government.

Missions:

- Implement the frontend architecture for all components of the CALYPSO program.
- Provide technical support to teams and developers and code reviewing..
- Establish documentation covering best practices, design, unit testing, and more.
- Conduct workshops to enhance developers' technical skills in Angular.
- Collaborate with UX/UI team, Product Owners (PO), and Business Analysts (BAs) to ensure UI component consistency across all frontend applications.
- Build custom CALYPSO frontend libraries, especially Angular DSFR, and create demo apps to showcase library features.
- Design and execute complex technical EPICs.
- Participate in various Agile ceremonies, such as Planning Poker, Sprint reviews, Backlog Refinement, and PI planning.

Technologies: Angular 15, TypeScript, VSCode, Jira, Confluence, Docker, Kub...

Frontend Angular technical Lead - AFKLM
May. 2022 – Sept.2022 (5 months)

Client: Air France & KLM
Role: Lead frontend Angular
Project: COLDIGI (Collecte Digitale)
Context: Redesign and implement new features for the Windows and iOS COLLDIGI application which is used for collecting, tracking, and cleaning aircraft engine equipment and parts.
Missions:
- Collaboration with the PO
- Development of evolutions, unit tests, and correction of anomalies - Junior technical support
- Participation in various agile ceremonies (Daily, Planning Poker, Sprint Review, Backlog refinement, etc.)
- Documentation
- Work on POCs
- Technical design of User Stories
- Code review
- Deliver and deploy new releases
- Reducing the technical debt reported by SonarQube

Technologies: Angular 11, Ionic 5, TypeScript, VS Code, Visual Studio, XCode, Bitbucket, Bamboo, Jira, SonarQube, Postman...

Full Stack Software Engineer- MEAE
Sept. 2021 – April 2022 (8 months)

Client: MEAE (Ministry of Europe and Foreign Affairs)
Role: React/NodeJS/JEE developer
Projects: CNCD and CIRCE.

Context: Service center that includes several projects and teams of about 15 people. I worked mainly on two applications:
- CNCD (National Commission for Decentralized Cooperation) - CIRCE (Management of detainees outside France)

Missions:
- Collaboration with Business Analysts
- Redesign and maintenance of the CNCD application (JEE) - Redesign of the CIRCE application (React/ NodeJS)
- Development of new features and fix bugs
- Code review
- Support junior developers
- Participation in various agile ceremonies
- Writing of documentation
- Master Hornet framework

Technologies: React 17, Node JS 10, Hornet V3, Hornet V5, Jest & Mocha, TypeScript, Webpack, JEE 8, VS Code, Docker, PostgreSQL, GitLab, Jira.

Angular & JAVA Developer - LACIPAV
Sept. 2020 – Aug 2021 (11 months)

Client: LACIPAV
Role: Angular developer (80%) and JAVA (20%)
Project: TOSCA
Context: In a team of about ten people. I worked on the redesign of the French pension system, mainly as an Angular developer.
Missions:
- Collaboration with Business Analysts
- Development of frontend functionalities and unit tests
- Development of backend functionalities in Micro-services architecture. - Support junior developers
- Participation in agile ceremonies
- Code review

Technologies: Java 8, Angular 8, Spring-boot, Java, Webservices (REST), Oracle, GitLab, Jenkins, Eclipse, VS Code, Docker, …

Frontend Angular & GIS Developer – RESEAU SNCF Sept. 2018 – Aug 2020 (2 years)

Client: RESEAU SNCF (France Railway)
Role: Frontend Angular & SIG Developer
Projects: Gaiascope JS, Linéaire JS, Supervision NG et CMT V2. Context: In a service center that includes several applications and teams of thirty people. I worked on the redesign of several applications:

- JS Base: This is a showcase application that exposes the JS widgets used by other applications. Each widget is configurable and customizable according to the needs of each application.
- GaiaScope JS (8-person team): Cartographic application with widgets for the infrastructure of the SNCF railway network.
- Linear JS (3-person team): Cartographic application with linear focused functionalities on a given route.
- Supervision NG (3-person team): Application for the supervision of the Railway Network. On-site agents who report alerts using a mobile application. The supervision team displays and manages these reports (events/alerts) on the map in real-time.
- CMT V2 (15-person team): a bit like NG supervision but specialized in worksite management.

Missions:
- Collaborate with the BAs and the PO for the technical challenges and upcoming features.
- Develop and collaborate with engineers to solve technical issues. - Code review on GitLab.
- Participate in agile ceremonies.
- Write technical specifications and setup documents.
- Prepare delivery documents and releases.
- Participate in the weekly meetings of all technical teams to manage and anticipate dependencies issues between widgets and the different applications using them.
- Participate in the weekly project organization meeting (WOM) as the technical lead of the Supervision NG application
- Support new junior engineers
- Fix anomalies
- Implementing unit tests
- Reduce the technical debt reported by SonarQube

Technologies: Angular 5, PrimeNG, ArcGIS Web API JS 4.6, VS Code, Tomcat, Oracle, KanTree, GitLab, Jira, SonarQube, …

Full Stack JEE Developer – PARIS City Hall
Sept. 2017 – Sept 2018 (12 mths)

Client: Mairie de Paris (Paris City Hall)
Role: Full Stack Developer (JEE/JS)
Projet: PEPS (Paris Espace Partagé et Solidaire)

Context: Redesign of the PEPS digital portal to provide an online catalog of social offers for Parisians.
Missions:
- Master Lutèce Framework.
- Integration of templates HTML/CSS/Bootstrap.
- Participation in the design of the site bricks and implementation. - Participation in agile ceremonies.
- Analysing User stories.
- Continuous improvement through teamwork and retrospectives of each sprint.
- Daily meetings with PO

- Correction and follow-up of anomalies in O2T (One2Team). - Monitoring the quality of developments with SonarQube. - Implementing unit tests

Technologies: Framework Lutèce, IDE Eclipse, Java 8, Maven, Struts2, Hibernate, JavaScript, AJAX, JSON, jQuery, Leaflet, JSP, Apache Lucene Spatial, Apache Tomcat 8.5.5, MySQL 5.5, web service, SoapUI, Swagger UI, Junit, Jenkins, SVN, One2Team, HTML 5, CSS, Bootstrap, O2T.

INERIS Full Stack JEE Developer - INERIS
maîtriser le risque
pour un développement durable
Feb. 2017 – Sept 2017 (8 mths)

Client: INERIS (The French National Institute for Industrial Environment and Risks)
Role: Full stack JEE Developer
Projet: GU (Guichet Unique)
Context: Redesign of the "Guichet Unique" under the supervision of the Ministry of the Environment, Energy and the Sea. The purpose of the application is to digitalize declarations of incidents and works online. Missions:
- Correction and follow-up of anomalies on Mantis
- Development of evolutions according to the SFD validated with the client
- Implementing unit tests with JUnit and Mockito
- Flex migration of the cartographic part in HTML5 and OpenLayers solution
- Analyse User Stories

Technologies: IDE Eclipse, Java EE, Maven, Struts2, Spring Security, Spring Batch, Hibernate, Hibernate Spatial, JavaScript, AJAX, JSON, jQuery, OpenLayers, QGIS, Birt, JSP, JBoss, PostgreSQL, web service, DocuSign, Junit, Mockito, Jenkins, SVN, Mantis, Flex, HTML 5, CSS.

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CERTIFICATIONS & DIPLOMA

- Computer Science Master degree, Angers's University
- Certified Google Women Developer Academy (WDA Europe)
- Certified Machine Learning by Stanford Online (2019)
- Certified Azure AZ-900 Cloud (2021)
- Angular Google Developer Expert (GDE)
- Angular Expert

Learn more: https://www.linkedin.com/in/fatima-amzil/details/certifications/

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ACTIVITIES

- Blogger: Creating technical content focused on web development and front-end technologies.
- Vlogger: Producing content primarily centered around frontend web development and Angular technology.
- Mentor: Providing guidance to junior developers and IT students, sharing my experiences (REX), and offering feedback on their resumes, GitHub profiles, and more.
- Angular GDE: Member of the Angular Google Developer Expert (GDE) community since 2021.