

# EKRAM TOUIR

## FULL STACK DEVELOPER

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### SKILLS

**Programming Language:** ReactJs, nodeJs, AngularJs, JAVA, PHP

**Frontend Technologies:** Typescript, JavaScript (ES6+), HTML5, CSS3, AJAX

**Backend Technologies:** Express.js, GraphQL, MySQL, MongoDB

**NoSQL Databases:** Elasticsearch, postgres

**Development Tools:** Git, Bitbucket, GitHub, Jira

**Cloud Platforms:** AWS, Azure, CGP

**API Integration:** RESTful APIs, Axios

**UI Development:** React Hooks, Redux, AngularJS Directives

**Testing Frameworks:** Jest, Enzyme

**Deployment & CI/CD:** Azure DevOps, Jenkins

**Version Control:** Git, Bitbucket

**Database Management:** MySQL, MongoDB, postgres, Elasticsearch

**Frameworks/Libraries:** Symfony, Tailwind CSS, Twig, Storybook

### LEADERSHIP - IEEE

Industry Engagement Committee member	2024
Students Activities Chair Tunisia	2020
Robotics and Automation Chapter Chair	2020
Regional Representative (Europe, Africa, Middle East)	
Robotics and Automation Chapter Treasurer	2019
Nominations and Appointments Committee	2019
Volunteer, Smart Village	2018
General Secretary ISSAT Sousse SB	2016
Former Chair, ISSAT Sousse SB	2014

### PROJECTS - IEEE

**Robotics For Democracy Project:** democratize access to robotics education in rural areas. Its goals include providing training sessions for educators, fostering interdisciplinary skills among students, and promoting technological engagement among youth through low-cost platforms like Arduino.

### AI PUBLICATIONS

A Hybrid Hierarchical Heuristic-ACO With Local Search Applied to Travelling Salesman Problem, AS-FA-Ls 2020

Solving the traveling salesman problem using fuzzy and simplified variants of ant supervised by PSO with local search policy, FAS-PSO-LS, SAS-PSO-LS 2019

A new hybrid gravitational particle swarm optimisation-ACO with local search mechanism, PSOGSA-ACO-Ls for TSP 2019

Ant supervised by firefly algorithm with a local search mechanism, ASFA-2Opt 2018

Experimental Investigation of Ant Supervised by Simplified PSO with Local Search Mechanism (SAS-PSO-2Opt) 2018

### WORK EXPERIENCE

#### Full Stack Engineer JOB00@! Aug 2023 - present

- Use ReactJS and Storybook for interactive interfaces and component-driven development.
- Use Stimulus controllers to enhance client-side interactivity and user experience.
- Develop Wiki pages and manage version control with Bitbucket for efficient code collaboration and management.
- Contribute to design discussions, collaborate effectively in meetings, and suggest tooling improvements to enhance productivity.
- Use Symfony UX Live components and integrate Tailwind CSS and Twig templates for UI design.

#### Full Stack Engineer Freshcells Nov 2021 - Jul 2023

- Develop features and fixes on microservices architecture using React, Node.js, GraphQL, and MySQL
- Get involved and support in Java and PHP for specific backend tasks
- Get involved in deployment processes such as on Azure, and CI/CD pipelines for automated testing and deployment.
- Use Git with Bitbucket and GitHub, enforcing code quality standards.
- Use Jira for issue tracking and project management, ensuring efficient task prioritization and delivery.
- Collaborate closely with cross-functional teams to architect solutions, conduct code reviews, and drive continuous improvement initiatives.

#### Full Stack Engineer Allocab Aug 2020 - Oct 2021

- Implement and develop internal tools with Node.js, React.js, and AngularJS, to increase productivity.
- Integrate APIs to provide smooth internal system communication.
- Design and implement user-friendly interfaces.
- Maintain and update internal tools to adapt to evolving business needs.
- Provide technical support to employees, resolving issues promptly.
- Participate in training sessions to empower colleagues with technical skills.

#### Technical Support Engineer eXo Dec 2018 - Aug 2020

- Analyse and maintain bugs
- Propose technical solutions for customers.
- Prepare patches and communicate with customers via the ticketing system
- Develop and maintain the ticketing System using AngularJs
- Configure systems and Support the deployment process.
- Participate in testing campaign

### EDUCATION

Research Master in Intelligent Pervasive Systems ISSAT SOUSSE, TN 2018

Bachelor Applied License in Industrial Computing ISSAT SOUSSE, TN 2015

Engineering Preparatory in Maths, Physics, Informatics ISSAT SOUSSE, TN 2014

Baccalaureate diploma in mathematics Ben Gardane High School, TN 2012

### LANGUAGES

English 

German 

French 

Arabic 