👤 **Rabii Elbeji** · 📍 **Tunisia** · @ **rabi3elbeji@gmail.com** · 📞 **+216 22 037 588**   in **rabii-elbeji** · 🐙 **rabi3elbeji** · 🐦 **rbelbeji**

RABII ELBEJI │RESUME

❱ **Status:**   Software Engineer II

❱ **Domains:**   Software Development, Artificial Intelligence, DevOps

❱ **Languages:**   French, English

❱❱❱ Experience

| 07/20 - Present | **Software Engineer II** | 🏢 FIS · 📍 Ariana, Tunisia |

❱ Dockerize a trading software solution based on the Oracle database.

❱ Creation of CI/CD pipelines with Jenkins, Ansible, SonarQube, Veracode, BlackDuck.

❱ Development of a project for the preparation and installation of bug fixes and new features using python and bash scripts.

❱ Configuration and preparation of development and testing environments on Azure cloud.

❱ Deploying and scaling a dockerized trading solution on Microsoft Azure cloud using AKS and ACI.

❱ Adapt a microservices architecture for a trading solution to facilitate horizontal scaling on the Azure cloud.

❱ Certified Terraform Associate 003 with experience applying proof of concept for setting up infrastructure with Docker provider using Terraform.

❱ R&D on the automation of certain financial processes using machine learning algorithms (settlement failure prediction, Named-entity recognition of trading information).

Technologies: Python, Java, Groovy, Oracle database, Scikit-lean, Docker, Ansible, Jenkins, Terraform, Veracode, BlackDuck, SonarQube, Azure Kubernetes Services, Azure Container Instances, Linux Shell

| 04/18 - 07/20 | **R&D Engineer | Lead Dev** | 🏢 Open Bee™ · 📍 Nabeul, Tunisia |

❱ R&D around the document management system (DMS) with artificial intelligence technologies and blockchain.

❱ Dockerization of different solutions developed within the DMS ecosystem.

❱ Installing and configuring Gitlab CI/CD runners on multiple virtual machines and setting up pipelines for test automation, building and deploying software solutions.

❱ Installation and configuration of Elasticsearch as well as Prometheus and Grafana for log monitoring on remote VMs.

❱ Installation and configuration of SonarQube and their corresponding scanners for C++, python and Java code analysis.

❱ R&D of an administrative document tracking API based on IOTA and Ethereum blockchain technologies.

Technologies: C++, Python, Java, Docker, Nvidia-Docker, Gitlab CI/CD, SonarQube, Elasticsearch, Prometheus, Grafana, Linux Shell

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| 10/17 - 12/17 | **Independent** | 📍 Tunisia |

❱ Develop a text detection and recognition API in real scenes.

Technologies: Python, TensorFlow, Transfer-Learning

| 01/16 - 09/17 | **Software Engineer** | 🏢 HOHWebSolutions · 📍 Mahdia, Tunisia |

❱ Installation and configuration of the Asterisk VOIP server on linux VMs.

❱ Installation and configuration of Prometheus and Grafana for monitoring logs on remote VMs.

❱ Installation and configuration of fail2ban for securing web applications on VMs.

❱ Development of a website for managing data from different storage sources (databases, Excel files).

❱ Development of a website for the supervision and management of phone calls in a real-time call center based on the Asterisk VOIP server.

Technologies: NodeJS, PHP, Prometheus, Grafana, Fail2ban, Linux Shell

| 12/15 - 06/16 | **Android App development Trainer** | 🏢 IBIL Training Center · 📍 Sousse, Tunisia |

Technologies: Java, PHP, Android-Studio

| 02/15 - 09/15 | **Engineering degree project** | 🏛 ENIG · 📍 Gabes, Tunisia |

❱ Develop a real-time detection, classification, and tracking methods for red-edges road signs plus a comparative study with two other recent methods.

❱ Perform 3D localization of panels using a stereo-vision sensors.

❱ Develop a method for lane markings edges extraction based on the normalized cross correlation.

Technologies: Python, Scikit-Learn, Scikit-Image, NumPy, OpenCV

| 08/14 - 09/14 | **Engineer Internship** | 🏛 ENIG · 📍 Gabes, Tunisia |

❱ Design and develop a quality of service (QoS) control tool for the supervision of the 2G / 3G network with administrative control.

Technologies: Java, Android, C#, PHP

| 02/14 - 04/14 | **Final Year project** | 🏛 ENIG · 📍 Gabes, Tunisia |

❱ Develop a software tool for alphabet letters recognition based on the signs of the user's hand with the aim of helping the deaf-mutes people to learn faster and easier.

Technologies: C#, EmguCV, OpenCV Training Module

▶▶▶ Education

| 2012 - 2015 | **Engineering degree** | 🏛 ENIG · 📍 Gabes, Tunisia |

Specialty: Networks & Communications

| 2010 - 2012 | **Preparatory studies** | 🏛 ISSAT Mahdia · 📍 Mahdia, Tunisia |

Specialty: Mathematics & Physics

| 2009 - 2010 | **Bachlor Degree** | 🏛 Zeramdine High School · 📍 Monastire, Tunisia |

Specialty: Experimental Sciences

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⏵⏵⏵ Publications

21 July 2018	**ICDEc 2018**	📍 Brest, France

An Improved CNN Steganalysis Architecture Based on "Catalyst Kernels" and Transfer Learning.

Authors: **Rabii El Beji**, Marwa Saidi, Houcemeddine Hermassi, Rhouma Rhouma

01 juil 2016	**ICIAR 2016**	📍 Póvoa de Varzim,Portugal

A Comparative Study of Vision-Based Traffic Signs Recognition Methods.

Authors: Nadra Ben Romdhane, Hazar Mliki, **Rabii El Beji**, Mohamed Hammami

20 juin 2016	**IEEE Intelligent Vehicles Symposium**	📍 Gothenburg, Sweden

Combined 2d/3d Traffic Signs Recognition and Distance Estimation.

Authors: Nadra Ben Romdhane, Hazar Mliki, **Rabii El Beji**, Mohamed Hammami