TAMENAOUL Hamza
Software and Information Systems Engineer

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🎓 Education

Grenoble INP - ENSIMAG   2020-2021
MS Advanced Information Systems and Software Engineering   *Grenoble, France*

Grenoble INP - ENSIMAG   2019-2020
Information Systems Engineering   *Grenoble, France*

ENSIAS - École Nationale Supérieure d'Informatique et d'Analyse des Systèmes   2017-2029
Software Engineering   *Rabat, Morocco*

Preparatory Classes for Engineering Schools (CPGE)   2015-2017
Mathematics and Physics   *Rabat, Morocco*

🥧 Professional experience

FINAXYS   March – August 2020
R&D Software Engineering Intern (Solidity, JavaScript, TypeScript, React, Hooks, MongoDB, Express, Ethereum)   *Paris, France*
> Design and development of a Solidity Framework for Crowdsale management
> Development of an Ethereum distributed application for Crowdsale management

DXC Technologies   July – August 2019
Software Engineering Intern (Java, JHipster, Spring Boot, Angular, Azure DevOps)   *Rabat, Morocco*
> Design and development of an Azure DevOps pipeline for CI/CD
> Development of new modules for a commercial pipeline management

HUAWEI Technologies   July 2018
Software Engineering Intern (Python, XML, Odoo 11)   *Rabat, Morocco*
> Development of calculation models for payroll components
> Design and development of an Odoo payroll management module

⚗ Academic and personal projects

SparkAda 2014 Compiler and interpreter
C language

Genetic Algorithm for Pseudo Code optimization
C language, python

Cloud & BigData: Twitter Sentiment Analysis
Java, Python, AWS, Kafka, Spark, Cassandra, Kubernetes

HPC: Implementation and performance analysis of RAFT algorithm
RUST, RsMPI, OpenMPI, MPI, bash, awk

Research Center Management App
Java, JEE/JSP, MangoDB, RHEL 6.5, Vagrant

School wiki and Forum
Java, Spring boot, Docker

Pomodoro Desktop App
C++, Qt 5.10

⚙ Technical skills

Languages
C, C++, Java, PHP, Python, JavaScript, TypeScript, Solidity, Go, Rust, Bash, SQL, Assembly

Back-End
Spring Boot, Express, SPARK, Kafka, Symfony, NodeJS

Front-End
React, Hooks, Angular, JQuery, Bootstrap

Database
MongoDB, Cassandra, FireBase, OracleDB, Postresql, MySQL

DevOps
AWS, AzureDevops, Kubernetes, Gitlab CI/CD, Vagrant, Docker, Git

Software
Qt 4,8/Qt 5.10, Android, Electron, NCurses

🔊 Languages

Arabic Proficient
French DALF C1
English TOEIC 990/990
German Beginner

♥ Interests

> Competitive programming
> History, anthropology and economics
> Music: piano and guitar
> Writing (technical blogs)
> Sport: Running and swimming

✚ Extracurricular

> Human Resources for ENSIAS Junior Entreprise
> Vice Chair d'IEEE Student branch ENSIAS
> Community Manager of ENSIAS IT
> Secretary General of ENSIAS Bridge
> Volunteer of ENACTUS ENSIAS