

JOSEPH HE

French, Full-Stack Software Engineer

@ josephhe255@gmail.com

📍 Vitry-Sur-Seine, FRANCE

🌐 <https://hejoseph.com>

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EXPERIENCE

Full-Stack Software Engineer

Freelance

📅 Nov 2022 – Present (1 year)

Java Software Development Engineer

AXA France

📅 Jan 2020 – Oct 2022 (2 years 10 months) 📍 Paris, France

- Worked closely with cross-functional teams, including product managers, project owners, UI/UX designers, testers, and other developers, to deliver high-quality software.
- Collaborated with DevOps teams to automate build, deployment, and release processes using CI/CD Microsoft Azure pipelines.
- Provided ongoing maintenance, bug fixes, and support for deployed applications (back-end with Java, front-end with ReactJS).
- Identified and resolved software defects, bugs, and performance issues through debugging, log analysis, and testing.
- Designed and implemented API endpoints, microservices, and REST APIs in Java for use across multiple product lines.
- Integrated Java applications with Oracle databases, writing SQL queries to retrieve and manipulate data.
- Developed clean, efficient, maintainable, and well-documented Java code based on project requirements.
- Designed data models and wrote SQL queries for relational databases.
- Prepared Java applications for deployment on servers, including configuring application servers (Tomcat), and managing deployment processes.
- Participated in the migration of legacy AngularJS apps to ReactJS.

QA Automation Software Engineer (JAVA)

AXA France

📅 Nov 2017 – Jan 2020 (2 years 2 months) 📍 Paris, France

- Developed and executed comprehensive testing strategies, including test case development, integration testing, functional testing, regression testing, load/performance testing, and smoke testing, in collaboration with cross-functional teams.
- Developed automated test coverage to include end-to-end testing for micro-services & built a CI/CD environment to trigger tests.
- Designed complete UI and mobile automation framework and also integrated it with other testing framework.
- Designed many tools and features to check the product quality and gave training to many different teams on QA Automation Framework.
- Wrote test data generation scripts to verify software requirements.

EDUCATION

M.Sc. in Information Systems

School of Engineering ESIEA 📍 Paris, France

📅 Sept 2014 – Sept 2017

Majored in Big Data and Data Science

Exchange Program

DAWSON COLLEGE 📍 Montreal, Canada

📅 Jan 2014 – July 2014

Computer Science - Internet Application
Operating System

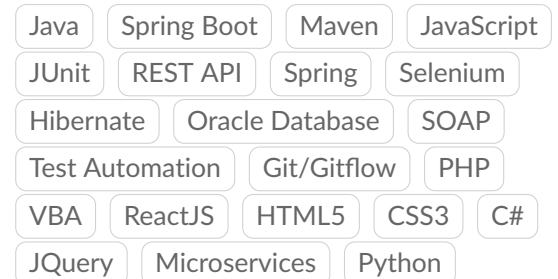
University of Technology Diploma

IUT PARIS DESCARTES 📍 Paris, France

📅 Sept 2012 – July 2014

Two year technical degree
in Computer Science

TECHNICAL SKILLS



LANGUAGES

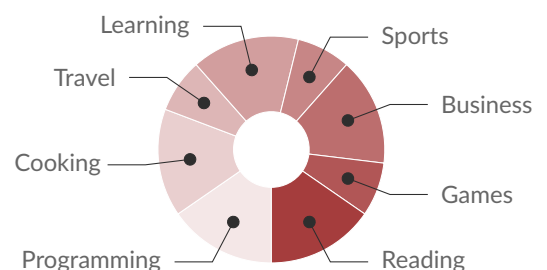
French ●●●●●

English ●●●●●

Mandarin ●●●●●

Cantonese ●●●●●

HOBBIES & INTERESTS



- Increased automation test coverage from 0% to 80% to detect bugs effectively and ship high quality products.
- Reduced considerably the time to market of each new key feature released.

Software Development Engineer in Test - Intern

AXA France

📅 Mar 2017 – Sep 2017 (6 months)

📍 Paris, France

- Developed and maintained test suites.
- Automated functional and regression tests in C#.
- Integrated automated tests into continuous integration process.
- Demonstrated knowledge of professional software engineering best practices for the full software development life cycle, including coding standards, code reviews, source control, build and release processes, continuous deployment.

Java Software Development Engineer for web applications (Search Based Application) - Intern

DASSAULT SYSTEMS

📅 Apr 2016 – Sep 2016 (5 months)

📍 Paris, France

- Created web application showing EXALEAD's sales KPI using EXALEAD's CloudView platform.
- Built analytics custom dashboards for sales representatives and tech sales for effective decision making.
- Developed custom dashboards for managers that reduced their workload.
- Operated and maintained internal sales tracking application, used by the commercial direction at a worldwide level, by fixing bugs, testing and deploying.

Web Developer - Intern

Dawson College

📅 Apr 2014 – Jun 2014 (2 months)

📍 Montreal, Canada

- Collaborated with the development team to rebuild the school website in a reliable, and maintainable way with WordPress using PHP, HTML, CSS, JavaScript and JQuery.
- Developed WordPress Plugins for admins to automate small processes and to avoid repetitive tasks.
- Designed themes and improved WordPress pages.
- Built a simple search engine based on relational database.

CERTIFICATIONS

🌟 OpenClassrooms : Java App Development

- https://m.my-newsletter.info/axiom/OC/2022/31_01/NH6DJVW.pdf

🌟 Java Programming : Solving Problems with Software

- <https://www.coursera.org/account/accomplishments/verify/YLB3CXR87GD>

🌟 Python Data Structures

- <https://www.coursera.org/account/accomplishments/verify/79EQNA8UQSNX>

PROJECTS

Decentralized application - Digital Medical Records

ESIEA

📅 Oct 2016 – Feb 2017

📍 Paris, France

- Worked on solutions to estimate patients health status based on their medical data by preserving their privacy using Blockchain Ethereum
- Implemented infrastructure of the solution by using virtual machines from Amazon Web Services and Azure Machine Learning from Microsoft

- Collaborated with teammates in building predictive models to predict health status based on medical records in R and in Azure ML
 - Tested and deployed Ethereum Smart Contract
 - Wrote python script to get evaluated health status from Azure ML of the medical data stored in Smart Contract
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Robot programming - Automated delivery system in an office

ESIEA in collaboration with EXTIA

📅 Sep 2015 – Mar 2016

📍 Paris, France

- Studied ROS (Robot Operating system)
 - Collaborated with teammates in designing web application using PHP and MySQL database to handle people's orders in the office
 - Mapped Extia's office using Turtlebot
 - Implemented C++ scripts and deployed ROS program on Turtlebot to move it from one specific point to another point on the map of the office by avoiding obstacles
 - Automated delivery system based on orders from Extia's employees
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Android mobile application - NFC Unlocker

ESIEA

📅 Jan 2015 – Jun 2015

📍 Paris, France

- Studied Android operating system and NFC technologies
 - Designed user interface and experience
 - Built mobile application that can unlock Android smartphone using NFC objects such as NFC tags or bracelets
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Java Game Development - Eternity 2

ESIEA

📅 Mar 2015 – Mai 2015

📍 Paris, France

- Developed algorithms to meet the rules of the real game
 - Designed game graphical interfaces using Java Swing
 - Participated in Agile process
 - Implemented MVC model
 - Wrote unit tests and functional test
Demo at : https://www.youtube.com/watch?v=C4VSq5Dj_k4
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Java Web Application - Bookstore

DAWSON College

📅 Jan 2014 – Mar 2014

📍 Montreal, Canada

- Designed and built a prototype of an eCommerce website for books using J2EE with a team of 4
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Cobol Programming - Phone bill

IUT Paris DESCARTES

📅 Nov 2013 – Dec 2013

📍 Paris, France

- Studied Cobol and AS/400 (Operating System from IBM)
 - Processed and manipulated invoice data from a CSV file
 - Aggregated data to print them like a real bill
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