

CAREER PROFILE

Principal/staff Software Engineer with 16 years of experience in developing innovative software solutions for enterprise-level applications at SAP. I have a proven record of success across major cloud projects (SAP BTP Platform) including Next Gen Ariba Procurement Solutions (SAP Ariba Central Invoice Management, SAP Ariba Procurement Planning), and SAP Fiori. Proficient in technologies like SAP BTP (Cloud Foundry), SAP UI5, JavaScript, Node.js. Expertise in AI and Machine Learning, supported by over 140 hours of formal training at École Polytechnique Paris X since 2019, as well as SAP Business AI certifications and completion of the AI Developer Foundation Program.



Houssem YOUSSEF

Principal Software Engineer

EXPERIENCES

Principal/staff Software Engineer

SAP Ariba, Paris

2019 - Present

Contributed to the development efforts of the Next Gen SAP Ariba Procurement Solutions:

- SAP Ariba Central Invoice Management (CIM): Automation of supplier invoice processing by AI/OCR, more than 10 scrum teams.
- Co-innovated SAP Ariba Procurement Planning (PP) with Volkswagen: co-innovation project including 3 internal scrum teams.
- cloud, multi-tiered, and microservice architecture on the SAP BTP cloud platform.
- hands on : Technical planning , elaboration and implementation of proof of concepts, backlog sizing and implementation.
- Collaboration in a multicultural environment with cross-functional teams.
- Pair programming, vibe coding (github copilot), code reviews.
- Frontrunner in evaluating and adopting new technologies and tools (cursor, github copilot).
- Implemented DevOps practices using CI/CD, Deploy With Confidence DWC, pipelines, Dynatrace, splunk and Kibana.
- Technologies Used: SAP Cloud (BTP), SAP CAP CDS (Cloud Programming Model), SAP HANA, SAP Fiori, SAP S/4HANA, SAP MDI, SAP MDCS, SAP MDO, SAP DWC, SAP Personal Data Integration (RGPD/PDM), Node.js, JavaScript, SAP UI5, CI/CD, DWC, Mocha, Gulp, Grunt, Git (enterprise), GitHub Copilot, Jenkins.

Senior Software Engineer

SAP - User Experience and design, Paris

2013 - 2019

Contributed to the development of SAP Fiori:

- Mentor teams on SAP UI5 and Fiori development.
- Engaged in task-force missions, providing support and guidance including trips to foreign locations.
- Practiced Agile methodologies, Scrum, collaborating with multiple teams.
- Worked on SAP BUILD.me, a low-code development solution.
- Main technologies: Javascript, Node, Angular, SAP UI5, mongo, gulp, git/github.

Software Engineer

SAP labs, Paris

2010 - 2012

Developed Business Planning and Consolidation 10 (BPC10) software for Enterprise Performance Management (EPM).

Junior Software Engineer

SAP labs, Sophia Antipolis / Mougins

2009 - 2010

Built a non-regression test suite for the SAP Solution Manager product.

- Using technologies including ABAP, Web Dynpro, ABAP Workbench, SAP Solution Manager, and XML.

PROJECTS

SAP Ariba Central Invoice Management - SAP Ariba Central Invoice Management on SAP BTP provides a unified solution for receiving and managing supplier invoices leveraging AI/OCR capabilities, with connection to different backend systems.

SAP Ariba Procurement Planning - SAP Ariba Procurement Planning is a cloud-based solution that was designed to help you plan your procurement activities with regard to the time schedule, as well as the investment planning of items based on a central bill of material.

SAP Fiori - Fiori is the new SAP Paradigm to transform the SAP User Experience. Participated to the launch of SAP Fiori. The initial release of Fiori included 25 apps for various business functions such as self-service tasks.

SAP BUILD.me - Low-code templating tool for SAP Fiori apps. It allows users to create Fiori apps by dragging and dropping UI elements.

SKILLS & PROFICIENCY

Software Development, Architecture, SAP Development, SAP BTP Cloud, DevOps

Agile, Scrum, Design Thinking, International Project Management, Pair Programming, Code Review

AI & Machine Learning, Generative AI, SAP Business AI, AI Development, Data Science, Machine Learning Models, Ethical AI

JavaScript, Node.js, SAP UI5, CI/CD, Jenkins, Mocha, Groovy, Gulp, Git, GitHub, GitHub Copilot, Dynatrace, Kibana

SAP Cloud (BTP), SAP CAP CDS (Cloud Programming Model), SAP HANA, SAP Fiori, SAP S/4HANA, SAP Ariba Central Invoice Management, SAP Ariba Procurement Planning, SAP Master Data, SAP MDI, SAP MDCS, SAP MDO, SAP DWC, SAP Personal Data Integration (RGPD/PDM)

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EDUCATION

MSc in Computer Science

Université Nice Sophia Antipolis
2008-2009

Engineer's Degree in Computer Sciences

ENSI
2005-2008

BSc in Applied Mathematics and Physics

IPEIN
2003 - 2005

LANGUAGES

English (fluent)

French (fluent)

Arabic (native)

INTERESTS

gardening

trekking

