

BIO



Eng. Mahmoud Mohamed AbdAllah Senior R&D Engineer

Business in brief

Mahmoud has more than 8 years of experience working in various areas like requirement elicitation, implementation, and testing in several R&D projects. He has participated in several projects in the area of embedded Linux-based systems. He has also participated in developing mobile applications that involve GPS, Bluetooth and porting from J2ME to Android. He participated in the implementation of the European project, SMOOL, during his staff exchange visit to TECNALIA of Spain. SMOOL is aiming at creating tools to simplify the operation of building smart spaces. SMOOL is built on top of the SOFIA middleware, exploiting OSGi, Java, Jena as Ontology engine and RDF as data model representation.

He has also participated in two R&D projects at SECC under the umbrella of the EU-funded RECOCAPÉ project. The first project was Energy-Aware Smart Building project that aims at building extendible and configurable smart home system that is able to apply energy saving policies. During the project, he was responsible for the implementation and integration of the hardware layer. The second project was the Semantic Advertising Platform for Egypt – SALE project that aims at developing semantic-based smart advertising platform, where he has mainly worked in the design and implementation of the Android client.

Organizations

- SECC – Software Engineering Competence Center

Certifications and designations

- SEI Certified Personal Software Process Engineer, Software Engineering Institute (SEI)
- Bachelor degree from Ain Shams University, Faculty of Engineering, Computer and Systems Engineering department, 2004.
- Certified Cloud Business Associate from the Cloud Credential Council (CCC) , Feb 2014

Sources/References

Technical papers:

- Haitham S. Hamza, Enas Ashraf, Azza K. Nabih, Mahmoud M. Abdallah, Ahmed M. Gamaleldin, Alfredo D'Elia, Hadeal Ismail, Shourok Alaa, Kamilia Hosny, Aya Khattab, Ahmed Attallah, "Design and Implementation of an Interoperable and Extendable Smart Home Semantic Architecture using Smart-M3 and SOA", The Tenth International Conference on Networking and Services, ICNS 2014, Chamonix, France, 20 – 24 April, 2014.

Tutorials and technical digests¹:

- A Quick Introduction to SOA
- Cloud Computing Technical Digest
- Design and Implementation of ZigBee Based Infrastructure for Smart Environments

¹ Check the publications section <http://www.secc.org.eg/recocape>