

Berkay KÖKSAL

Certified Scaled Agile Scrum Master

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Objective

An opportunity in a Software Development related position in an agile environment to improve current knowledge and provide high quality development and integration process

Technical Skills

Software Skills

Python, C, C++, C#, VB.NET, SQL, Git, Google Firebase, Android-Java/Kotlin, Xcode-Swift/ObjectiveC, Javascript, HTML/CSS, Assembly, MatLab, Simulink, ElasticSearch/Kibana, Apache Kafka, TensorFlow, Apache Spark, Web Servers, Canoe/CAPL IoT Protocols (XMPP, MQTT, LoRa, RFID, AMQP, SomeIP)

Hardware Skills

Vehicular Vector Hardware (CAN, LIN, SomeIP, Eth Bus), CPU design, Pipeline design, Advanced computer architecture, RAM design, Arduino, Logisim, RFID transmitter and receiver

Combined Skills

Parallel and Distributed Systems, Robotics (EV3, Gazebo, RVIZ, ROS), Discrete Event Simulations (GPSS), RISC/CISC instructions and hardware design

Related Skills

Project Management (Scrum, Scaled Agile), Software Engineering (UML, CI, JIRA, JUnit Testing), IT Law, Economics

Education

2017 - 2019 EURECOM Sophia Antipolis / FRANCE / Internet of Things, Master's Degree

2013 - 2017 Istanbul Technical University / TURKEY / Computer Engineering, Bachelor's Degree

2014 - 2015 Malmö University / SWEDEN / Computer Science, Erasmus+ Exchange Program

Work Experience

2019 - Current *Renault Software Factory*, Sophia Antipolis, France, ADAS/AD SW Engineer & Scrum Master

2018 *EURECOM Mosaic5G Slicenet*, Biot, France, Lab Researcher

2017 *Prizma RFID*, Bursa, Turkey, Software Developer

2016 *KoçSistem*, Istanbul, Turkey, Android Development Team

Related Experience

2018 Researcher – TTOOL ParisTech, Automated IoT Code generation – Open Source Project

2017 Freelance Mobile Developer – İTÜKİŞ* Festival application – IOS/Android App Store

2015 Malmö University, C# and VB.NET windows applications development courses

Languages

Turkish: Native speaker

English: Near native speaker

French: Limited working proficiency (B2)

Swedish: Beginner

Publications

("ElasticSDK: A Monitoring Software Development Kit for enabling Data-driven Management and Control in 5G"), IEEE NOMS 2020 - 2020 IEEE/IFIP Network Operations and Management Symposium, Budapest, Hungary, 2020, pp. 1-7, doi: 10.1109/NOMS47738.2020.9110373. Berkay Köksal, Xenofon Vasilakos, Navid Nikaein, Robert Schmidt and Nasim Ferdosian

("Integrated Methodology to Cognitive Network & Slice Management in Virtualized 5G Networks"), May 2020 - pp. 1-22, doi: <https://doi.org/10.48550/arXiv.2005.04830>. Xenofon Vasilakos, Navid Nikaein, Dean H. Lorenz, Berkay Köksal, Nasim Ferdosian

("4G and 5G RAN monitoring data collected using the ElasticMon 5G monitoring framework over FlexRAN"), CRAWDDAD 2019. Berkay Köksal, Robert Schmidt, Xenofon Vasilakos, Navid Nikaein

("Service development for vehicle functions"), EURECOM 2019, Biot, France, Berkay Köksal, MSc Graduation Thesis

("Design and Implementation of Fully Associative Instruction Cache Memory"), ITU 2017 ITU Digital Library, Istanbul, Turkey, 2017. Berkay Köksal and Assoc. Prof. Feza Buzluca, BSc Graduation Project

Organizations

MOSAIC 5G Initiative ~ Developer and Follower
IEEE Computer Society ~ Member
İTÜKış* Winter Sports Team ~ Team Captain

Personal

Professional skiing, playing guitar, drawing, chess, bowling, 3D VR modeling

References

Guillaume Menez

ADAS/AD Software Engineering Manager
AVA Control Department
Renault Software Factory, FRANCE

Navid Nikaein

Associate Professor
Communication System Department
EURECOM, Biot FRANCE

Berk Canberk

Associate Professor
Electrical and Computer Engineering Department
Northeastern University, BOSTON Massachusetts USA

References available upon request