

Halil C. Kaskavalci

Software Engineer



Istanbul, Turkey



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About me

I'm highly motivated, solution focused, technology and programming enthusiast developer. I have worked both in academy and industry in Turkey and the Unites States. I enjoy working in groups and get along with all personalities. I'm energetic, positive, approachable and pragmatist. I focus on "getting the work done" and deliver the promises at all costs.

Skills

C++



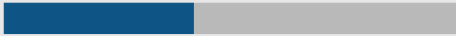
Go



Python



.Net



Java



Optimization



AI



Docker



Orchestration



Jenkins



Summary

Halil has hands-on experience with Artificial Intelligence, Embedded Programming and Cluster Management. He utilized wide range of programming languages and technologies in development and production. He did multiple long term internships at Siemens Corporate Research during his bachelors and masters. He joined SAP to build distributed database for big data, SAP HANA Vora. He is creating tools and services for cluster management: utilized cluster orchestration tools (Kubernetes and Nomad), supported multiple operating systems and Hadoop CMs.

Experience

- 2015-Present Software Engineer SAP SE
Worked in cluster management group. Developed backend of microservice orchestration tool. Migrated previous infrastructure to Docker and Kubernetes. Supported installation in multiple cloud providers: AWS, GCP, Azure. Developed Consul C++ client. Highlights: Agile, TDD, git, Jenkins, DevOps, Technical Customer Support, flat and minimal management.
- 2014 - 1 yr Software Engineer Intern Siemens Corporate Research
Implemented floating point conversion in Step7 PLC firmware without using external libraries. Challenges: data integrity while serialization, FP representation in MIPS32 and accuracy.
- 2013 - 1.5 yr Research and Teaching Assistant Yeditepe University
Taught in lab sessions of Programming Fundamentals, Computer Networking courses. Utilized C, C++ and Java in lab sessions. Contributed to joint corporate project focusing in data science & optimization.

Undergrad Work

- 2012 - 1 yr Undergrad Assistant Yeditepe University
Participated in laboratory works of C, Java and Assembly courses.
- 2011 - 6 mo Software Engineer Intern Siemens Corporate Research
Worked with huge source tree (git and ClearCase). Contributed to real time PLC firmware using C++ . Developed disassembler tool for S7P language. Integrated it as Eclipse plugin with Java. Implemented a C# tool to convert Excel documents to C header files.
- 2010 - 1 yr Microsoft Student Partner Microsoft
Volunteered as Microsoft Student Partner where he organized university events in collaboration with Microsoft.

Education

- since 2013 M.Sc. in Computer Engineering Yeditepe Uni
Artificial Intelligence and Computer Vision focus
- 2009 - 2013 B.Sc. cum laude Yeditepe Uni
Double Major: Electrical and Electronics Engineering
- 2007 - 2013 B.Sc. - summa cum laude Yeditepe Uni
Major: in Computer Engineering
- 2010 Exchange Nottingham Uni
Erasmus Exchange in Computer Science

Awards

- 2013 1st ranking among 2013 class of Computer Engineering
- 2013 3rd ranking among 2013 class of Electrical & Electronics Engineering
- 2013 3rd ranking among Engineering and Architecture Faculty
- 2007 99,6 percentile in University Entrance Exam

Interests

Brewing, Popular Science, Programming, Photography, Hiking, Nature