Aykut MAYALI

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CAREER SUMMARY

Software Developer & Electrical-Electronics Engineer

After programming tailored machines for Industrial Automation Applications, now I am working as a Software Developer for last 2 years. I am versatile and good at learning new things from different kind of areas.
I had various responsibilities at Planning – Developing – Testing – Maintaining phases of different projects.

Personal Skills: Good at teamwork, dependable, detail oriented, fast learner, motivated, very good interpersonal skills and open to communication

PROFESSIONAL EXPERIENCE

Backend Developer
OSF Digital (https://osf.digital) – Leading Digital Transformation Company
2021 June– Present, Izmir - TURKEY

Responsibilities
        Developing and Testing Backend Services and Configurations with using Salesforce SFCC and JS

Software Engineer
Subje Bilisim (www.subjebilisim.com/) – Startup Company developing own product
January 2020 – June 2021, Istanbul - TURKEY

Responsibilities

   Developing and Testing as Full Stack Developer working with Microservice Architecture under Agile Scrum Methodology with JIRA

Achievements

- **Develop Tubitak Project –> https://sbeacon.azurewebsites.net/**

- **Beacon Tracking System (Communication between Gateway & Tags with low energy protocols MQTT and Bluetooth) build with Java, Angular ,MySQL, website with C# .NetCore**

- **Build company's own web site –> https://www.subjebilisim.com/   build with HTML, CSS, JS**

- **Provisioning and running Micro Focus ALM Octane along with SQL database and Elasticsearch to integrate application testing, reporting and failure searching.**

- **Testing Mobile Applications and Python Unit Tests over CI/CD Pipeline with Github Actions and Azure**

- **Building CI/CD workflows using GitHub Actions to build and push Python applications on Azure Container Registry (Devops)**

- **Provisioning resources on Azure using Terraform and managing state across environments using Terraform Cloud and Azure Storage to store states (Devops)**

Software Developer
MedicalPark (www.medicalpark.com.tr) - Turkey's largest hospital trademark July 2019 – January 2020, Izmir - TURKEY

Responsibilities

Configuration, operation and troubleshooting of current CRM using C# and MSSQL
Building IOT devices for Medical Applications
Developing Performance System for employees
Data Mining for irregular and regular reports

Achievements

Deploying company's HR website –> http://www.mpkariyer.com/ with ASP.Net, MSSQL, C#,HTML, CSS
IOT Project : Building wireless pedal controlled camera recorder integrated with Endoscopy machine with C++, Arduino, Bluetooth Switches, MSSQL

Automation Engineer
Gates Corporation (www.gates.com) - One of world's largest automotive parts manufacturer
December 2016 – July 2019, Izmir - TURKEY

Responsibilities

Configuration, modification, operation and troubleshooting of automation systems (mostly PLC(Programmable Logic Controller = Industrial IOT System) with its own I/O systems controls different DC and AC systems, servo motors, etc with logging to DB's every alarms and production units) on production lines with time limitations

Checking, repairing and servicing machinery, equipment, infrastructures

Planning and undertaking scheduled maintenance of Production lines and spare part management of plant

Achievements

Managed successfully performance modifications on tensioner montage machines with on each machines cycle time at least between 6 – 30 seconds with S7-1200 PLC, S7-300 PLC, S7-400, Simatic, WinCC Scada, STL, Ladder, C, C++

Programming and adapting different scenarios for different fixtures for machines with S7-1200 PLC, S7-300 PLC, S7-400, Simatic, WinCC Scada, STL, Ladder, C, C++

Managed and supervised 3rd party suppliers over 20 hardware replacement projects.

Actively involved in Automation Devices Refresh Projects in various machines, where I created & planned Bill of Materials (BOM) lists, validated design, and managed deployment.

Contributed to Maintenance Team's success in improving SLA from 70% to 80% in less than a year.

Automation Engineer
Dedem Mechatronics (www.dedemmekatronik.com) - Izmir's largest industrial automation applications company
July 2013 – December 2016, Izmir - TURKEY

Responsibilities

Building new industrial automation applications on tailored machines
Commisioning and troubleshooting new machines on customers production area
Assisting technically during presales phase.
Coordinating customers and support teams to resolve issues quickly and effectively.
Maintaining accurate records of sales and activities on weekly, monthly and quarterly basis.

Achievements

Philsa Filter Tip Carrying System : Conveyor Automation with S7-1200 PLC Simatic and WinCC Scada, 14 machines
Arcelik Refrigerator Plant ABB IRB-460 Robot – 3D Camera – PLC Controlled Project : Under control of PLC with the help of 3D Camera coordinates , Robotic Arm pick & place tools with ABB Robot Studio, C++
Fair Board with Conveyor System : Conveyor System with Pusher and Stoper Systems with Mitsubishi PLC

FTTX Network Engineer
Turk Telekom A.S. (www.turktelekom.com.tr/en) - Largest Internet Service Provider
(ISP) in Turkey
October 2008 – July 2013, Izmir - TURKEY

Responsibilities

Performing all operational duties of Turkey's main GPON Gigabit Passive Optical Network fiber network in the Aegean Region. Commisioning Ethernet Switch, OLT and ONT (Ericsson and Alcatel) configuration
Implementation, operation, optimization, troubleshooting and monitoring over 700 devices.
Resolving incidents and problems onsite and remotely.
Collaborating with other nationwide operation teams.

Achievements

Orchestrated a team of one network engineer and two network technicians.
Setting up and activate GPON Network in the Aegean Region.
Successfully coordinated over 20 OLT and 700 switch installation with 3rd party solution partners.

Network Engineer
Mega International Telecommunications (www.megatelekom.com.tr) – Alternative
voice carrier
August 2007 – October 2008, Izmir - TURKEY

Responsibilities

Monitoring, troubleshooting and maintenance of NGN VoIP network of 12 POPs throughout Turkey Veraz IMS and Soft switch operations
Writing reports for monthly total voice traffic data using SQL database.
 Achievements

Leading communication with equipment vendors (Digitalk and Veraz) for trouble tickets and updates.
Completed periodical hardware maintenance activities for all network equipment in 12 POPs.

TECHNICAL SKILLS

Programming Languages C#, C++, JS, Python, Java, SQL, HTML, CSS

Programming Tools   **Visual Studio , VS Code, Github, Anaconda, IJ Idea, PyCharm, Eclipse, MSSql, Docker Desktop, Android Studio, Micro Focus UFT One, Postman, Slack, JIRA, IOT Project Tools : Azure IOT, Linux, Raspberry Pi, Arduino**

Certification/Course   **Testing and Debugging Python : Coursera**
Automation Scripts Using Bash : Coursera
MCSD : BilgeAdam
CCNA : DESEM
Sitronics Telecom Medio Class 4 Switch Level ½ Courses (Prague, CZ)
Class 4&5 Control Switch Certificate Veraz Networks Courses
Alcatel Active Ethernet ; 6850 Omniswitch, 6250 Switch
Ericsson EDA 1500 Introduction and Implementation ; Gpon Course Certificate
Tilgin Product Training, Homegateway Certificate
JDSU Communications Test and Measurement Equipments for Optical Communications Network ; MTS -4000, MTS-6000, OLP-57 (2011), HST-3000c, Smart class ethernet

EDUCATION

Master of Engineering
Computer Systems Networking and Telecommunications
Ege University, Izmir, Turkey
September 2012 – June 2016
Master Project : IOT Project Development of Security System Prototype Using Fingerprint and Arduino for Entrance and Exit of Special Areas (Using C ++ @Arduino , Visual Studio C# @ WebApi)

B.Sc., Electrical & Electronics Engineering Inonu
University, Malatya, Turkey September 2002 –
June 2006

LANGUAGES

English   **Upper Intermediate**
Turkish   **Native**
German   **Beginner**

ACTIVITIES
Computer Games, Building IOT Devices with Raspberry Pi and Arduino, all kind of team sports and Bike-Run-Swim. I have a passion with History and Books.