

CURRICULUM VITAE

Contact Information:

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1. **Family name:** TONGA
2. **First names:** Bilal
3. **Date of birth:** 05.03.1990
4. **Nationality:** Turkish
5. **Civil status:** Married

6. Education:

Institution [Date from - Date to]	Degree(s) or Diploma(s) obtained:
2011 – to date	Ankara University, Faculty of Engineering, Department of Electrical and Electronics Engineering
2010 – to date	Anadolu University, Faculty of Economics, Department of Economics
2008 – 2010	Hacettepe University Faculty of Vocational School of Higher Education, Department of Industrial Electronics
2004 – 2008	Ulus Anatolian Vocational High School

7. **Language skills:** Indicate competence on a scale of 1 to 5 (1 - excellent; 5 - basic)

Language	Reading	Speaking	Writing
Turkish	1	1	1
English	1	2	1

8. Membership of professional bodies:

Date from – Date to	Society
2014- 2016	Ankara University Robotics and Science Society
2011-2013	Ankara University Mountaineering Society
2007 - 2012	TEMA foundation

9. Other skills: (e.g. Computer literacy, etc.)

- MS Office Applications (Word, Excel, PowerPoint)
- Microsoft Windows Desktop/Server installation and Management
- GNU/Linux Server installation and management
- MySQL Database installation and management
- Mechanics Design software: Solid works
- Electronics Design software: Proteus, Eagle, Kicad
- Software development languages: C, Java, Python, HTML, CSS, Bash scripting

10. **Present position:** Founder and Development Lead

11. **Years of work experience :** 7 years

12. **Key qualifications:**

- Experience in Microsoft Windows based and GNU/Linux based Server Manager
- Experience in Software development based on Java, C and Python languages
- Embedded Electronics design and programming (ARM, Atmel and Pic)
- Web site and turn-key special web application development
- Project administrating and organizing skills
- Experience in working with Project management software such as Redmine
- Experience in software version controlling systems such as Git
- Experience in PCB design and error check in electronics prototypes
- Mechanical drawing and production
- Industrial design experience with Solid works software

13. **Specific experience in the region:**

Country	Date from - Date to
Turkey	2011 – to date

14.

Professional Experience

Date	Location	Institution	Position	Description
2017 to date	İzmir - Turkey	Creworker – Software and Electronics	Development Lead	<p>Upstream- IT and personnel management solutions</p> <p>This project develop by Creworker to our customer Turkish Accelerator and Radiation Laboratory in Ankara. Upstream aims to solve personnel and project management difficulties in the institute. Upstream is a web application with easy to use and responsive design with these features;</p> <ul style="list-style-type: none"> • Modular design (Personnel, Project, Access control, Inventory and Tender modules) • Responsive UI Design (Can be used desktop and all mobile devices) • LDAP integration (User info sync from LDAP server) • Mail notifications • Working on cloud server • SSL secure connection • Role based management for different type of Users • Portunes Access Control System Integration <p>Operating System independent (runs both Windows and Linux Servers)</p>
6.2016 to date	İzmir - Turkey	Creworker – Software and Electronics	Founder and Development Lead	<ul style="list-style-type: none"> • Responsible for Creworker Software and Electronics projects • Responsible for Customer GNU/Linux and Windows Server management • Web based Application Development • Leading ongoing Upstream project development • working on development on Python, HTML5, CSS , Java and .NET • Responsible for database development and management (Mysql,Sqllite and MSSql)
2015 2016	Ankara - Turkey	Ankara University	Software Developer	<p>3d printer design and manufacture Autonomous robot arm with 3d printer</p> <ul style="list-style-type: none"> • This project is supported by Ankara University Coordinator-ship of scientific research projects. • 3d printer has been designed and built in the first part of the project. • The second part is designing 2 robot arm capable with 62cm reach length and inverse kinematics problem solving algorithm with image processing for object recognition. • Robot arms 3d printed with our printer and worked with embedded controller.

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09.2013 6.2016	Ankara - Turkey	Turkish Accelerator and Radiation Laboratory in Ankara (TARLA)	Software Developer and IT	<ul style="list-style-type: none">• Responsible for tarla.org.tr Web sites• Installing and maintaining GNU/Linux and Windows Servers• Software development based on Control Systems• Experience in EPICS Control System IOC, Device support and RS232-TCP/IP based device software development• Personnel shift control software development• Web based application development• Git version control software management with gitlab web interface• Experience in Redmine, project control software management• Experience in IndicoEvent management system for conferences, workshops and meetings.• Network installation for Control System• Experience with RS-232, RS-485, SPI and TCP/IP communication protocols• Experience with standalone Raspberry Pi based embedded electronics
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2014– 2015	Ankara - Turkey	Turkish Accelerator and Radiation Laboratory in Ankara (TARLA)	Software Developer	Portunes– Personnel Shift Control System https://github.com/T-A-R-L-A/Portunes <ul style="list-style-type: none"> • Working standalone on Raspberry Pi • It was Developed by Java and C programming languages • MySQLdatabase support • Free Software, licenced with GPL V2
2014	Ankara - Turkey	Teknomobil	Software Developer	Isimud- SCADA device Designed for unconnected area use, can be connected different devices to push/pull data. <ul style="list-style-type: none"> • Embedded GNU/Linux operating System • Run on ARM microprocessor architecture • Developed with Python, Java, Bash script • Web Interface developed with Flask Web Framework • Support Serial port and TCP/IP protocols
8.2013 – 2.2014	Ankara - Turkey	Önel Electronics	Software Developer	<ul style="list-style-type: none"> • Experience in development of QR-code scanner Linux driver for in-house design Tablet • Experience in Android Application development which can communicate with Linux drivers and Linux Signals • Caller-ID electronics design improvement and software development

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09.2011– 06.2012	Ankara -Turkey	Ankara University - Institute of Social Sciences	IT	Responsible for Institute Web page and PC hardware tech support. Developed institute Web page and simple software for institute.
6.2010 - 9.2010	Ankara -Turkey	Inform UPS System Electronics	Intern	30 workday internship. Experience in UPS system installation and tech support.
2007 - 2008	Ankara -Turkey	TAI - Turkish Aerospace Industries, Inc.	Intern	8 months Higher education internship. Experience in F16 aircraft wiring and modification department. Experience in wiring diagram reading.