Gulbala Salamov

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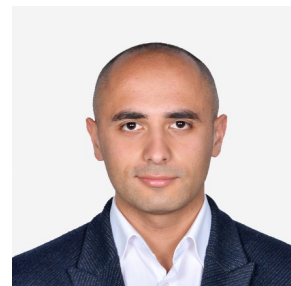
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Turkey, Azerbaijan   20.11.1990   Completed

About me: I am a Researcher & Developer from reputable universities with a strong motivation to succeed in the industry and academy. I have improved skills in problem identification and implementation of effective solutions. I have good interpersonal communication and social skills.

My career objectives: I'd like to invest in myself further with top skills modern engineers need to succeed. By far I have 3 years experience in agile software engineering practices from conception to completion and 1 year active professional programming experience. Recently my focus shifts into best practices applied in the industry and thus I am happy to develop & implement new solutions integrating applications across enterprise or its units

Work Experience [1]

Senior Researcher & Jr. Software Developer   **ExCiteS Research Group**
04.2019 - 06.2020 (Full Time)   **University College London, U.K.**

Develop:
- Maintained Android data collection app, Sapelli, written in Java
- Successfully added new features and fixed the existing issues in Sapelli
- Build new Sapelli Visualiser mobile app to display collected meaningful data
- Set up Virtual Server on cloud services to use GeoKey REST Api – ready backend infrastructure solution to create projects, manage access, store and validate data
- Picked up existing code base, wrote well-documented and maintainable code and developed it further using GitHub as a source code management repository.
- Assisted with other technical expertise as required within the scope of project

Design:
- Designed and implemented mobile app prototypes for ECSAnVis - €2.5M project funded by European Research Council (ERC)
- Identified key user groups and created in-depth user scenarios
- Determined the information architecture of a digital product
- Created high fidelity representation of a design using Adobe XD
- Improved user experience by regular UI/UX meetings and testing the mockup

Research:
- Contributed to academic research, presentations and workshops

Researcher & Software Developer Intern   **Rzayev Research Group**
06.2017 - 09.2017 (Internship)   **State University of New York at Buffalo, USA**

- Built interactive prototypes for university mobile app
- Collaborated closely with university IT department and project teams to conduct user research
- Created technical documentations for future development references
- Maintained IT support of Labs

Software Development Specialist & Technology Consultant   **S.I.P**
01.2013 - 09.2016 (Freelance)   **Azerbaijan**

- Communicated with clients and verified their needs by reports
- Simplified complex technical concepts by high quality prototypes, use cases and diagrams
- Prepared requirement analysis and wrote technical specifications
- Contributed to the software design and architecture
- Built e-commerce web sites using open source CMS (Wordpress & Moodle)

Teaching Experience [2]

02.2014 - 06.2014 (Internship)   **METU Foundation Schools**
ICT Teacher   **Turkey**

- Lectured students about real programming languages and built simple apps using Java and visual coding tools
- Instructed students to build algorithms for real life problems by playing logic based games
- Administrated LMS (Moodle), created courses, exams and assignments
- Prepared digital learning materials including video, documents and posters

09.2013 - 02.2014 (Internship)   **Private Ari Schools**
ICT Teacher   **Turkey**

- Lectured under guidance for teaching practice
- Made plans and presentations for teaching
- Adjusted classroom conditions for appropriate teaching environment
- Observed authentic teaching and different aspect of the teaching profession

Education [3]

Hacettepe University, Turkey.   2018 -
PhD in Geomatics Engineering

Swansea University, U.K.   2014 - 2016
MSc in Computer Science

Middle East Technical University, Turkey   2010 - 2014
BSc in Computer Education & Instructional Technology

Skills & Competenecies [4]

" ***** " indicates familiarity with the concept but **limited** experience.

A. Programming Languages

Languages	Java (7 ,8, 11) , Android
Java Core	• Data Structures (*List, Maps, Generics, Collections*) • Exceptions, • Interfaces, • Working with files and data

Code Organization	• Object Oriented Programming
	• *Functional Programming **
	  → *Functions, Functional Streams , Lambda Exp, Optional*
	• Design Patterns
	  → Singleton, Strategy, Decorator, Factory

Version CS	• Git, GitHub
Build Tools	• Gradle, Maven
Testing Framework	• Debugging, *JUnit 5 **

B. Server Side Technology Stack

Language	Java
Framework	Spring
Spring Framework Core	• Configuration • Spring MVC • *Dependency Injection **
Spring Security	• *JSON Web Token (JWT) ** • *Form Auth ** • *Basic Auth ** • *Authentication and Authorization **
Spring Boot Databases	• *Spring Data JPA *,* PostgreSQL, SQL, *MySql **

C. Front End Technology Stack

Language	HTML, CSS
Framework	*Angular **
Prototype	Adobe XD, Photoshop, *Figma **

D. Low-Code & No-Code Technology

Platform	*OutSystems **

E. Other Skills	
Additional Tools	Jira, Trello, Slack, Microsoft Teams
Soft Skills	Communication, Patience, Open Minded, Time Management
Useful Skills	OS (Windows & Linux), Office Apps, R & D, Academic writings

Books [5]

Android Sanatı – Android Mobile Programming Book
(Gulbala Salamov[1], Volkan Gurbuz[2])
LEVEL Publishing House, Turkey (2017)
ISBN 6058352766
https://www.kitapyurdu.com/kitap/android-sanati/434078.html

Publications [6]

A Novel Portable Nanotechnology Approach for Targeted Cancer Therapy
2nd International Symposium on Multidisciplinary Studies Innovative Technologies (2018)
Authors: Bunyatova, U., Kocum C., Haberal E., Asadullayev A., Salamov G.
https://ieeexplore.ieee.org/document/8567302

Technology of modelling of integrity and fuzzy model of knowledge - IFMK
2nd International Symposium on Multidisciplinary Studies Innovative Technologies (2018)
Authors: Bunyatova, F. K., Salamov G.
https://ieeexplore.ieee.org/document/8566690

New Strategy of Distance Education
Universal Journal of Educational Research,
Horizon Research Publishing, USA (2014)
Authors: Bunyatova, F., Salamov, G.
http://www.hrpub.org/journals/article_info.php?aid=1578

Simulation Learning Based on Formal-Logical and Fuzzy Logics
6th International Computer and Instructional Technologies Symposium, Turkey (2012)
Authors: Bunyatova, F., Salamov, G.
https://www.pegem.net/Akademi/kongre_detay.aspx?id=137107

Logic of Integrity, Fuzzy Logic and Knowledge Modelling For Machine Education
5th International Conference on Application of ICT, Azerbaijan (2011)
Authors: Bunyatova, F., Salamov, G.
https://ieeexplore.ieee.org/document/6110956

Professional Memberships [7]

European Cooperation in Science and Technology (COST) (11.2018 – Present)
- **COST CA15212 Citizen Science Work Group Member**
  WG2 - Develop synergies with education
  WG4 - Enhance the role of CS for civil society

https://cs-eu.net/users/gulbalasalamov

Volunteer Work [8]

METU Society Science Center (02.2014 – 06.2014)

- Presentation of scientific and technological devices to students
- Photo and video recording during demonstrations

Certificates [9]

- Training School on Digital Transformations in Citizen Science & Social Innovation **(ITALY, 2019)**
- International Student Festival of HARKAT **(IRAN, 2018)**
- National Computer & Instructional Technologies Congress, **(TURKEY, 2013)**
- Innovative Teachers Forum **(TURKEY, 2012)**
- International Computer & Instructional Technologies Sympusium **(TURKEY, 2012)**
- Application of Information & Communication Technologies **(AZERBAIJAN, 2011)**
- International Educational Technology Conference **(TURKEY, 2009)**

Interests [10]

Photography, Sports, Cooking, Research, Teaching

Languages [11]

1. Azerbaijani (Native)

2. Turkish (Excellent)

3. English (Excellent) - *IELTS: 6.5 (July 2018)*

4. Russian (Good)

5. German (Basic)