GULBALA SALAMOV

Software Developer & Researcher

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Citizenships: Turkiye, Azerbaijan

PROFESSIONAL EXPERIENCE

İBÜTEM, Türkiye   02.2022 -
Java Software Developer & Technical Writer

• Writing high-quality product and API documentations
• IoT & Automation for medical devices using Java and MQTT Broker Integration

Turkish Airlines Technology , Türkiye   01.2023 - 06.2024
Java Software Developer

• Working on the design, development and integration of Java and Spring backend, as well as JSF and PrimeFace for frontend applications
• Reviewing and maintaining applications to meet new requirements throughout the software life cycle
• Providing workshops and technical supports to external customers regarding the usage of products
• Communicating between technical departments to identify and resolve urgent issues that critically impact business outcomes.

University College London, United Kingdom   04.2019 - 04.2021
Java / Android Developer & Researcher

• Maintaining data collection app using Java and Android SDK
• Designing new UI interfaces
• Contributing to academic research and workshops

State University of New York, United States   06.2017 - 03.2019
Java / Android Developer & Researcher (Intern)

• Writing technical content for Android programming text book
• Building interactive prototypes for university's mobile app

SIP, Azerbaijan   09.2015 - 09.2016
Web Developer & Business Analyst

• Building websites using WordPress, creating and managing content
• Communicating with clients, verifying their needs and proposing solutions
• Simplifying complex technical concepts with high-quality prototypes, use cases and diagrams to get feedback and improve the products

Middle East Technical University Foundation Schools, Türkiye   09.2013 - 09.2014
ICT Teacher (Intern)

• Teaching students to build algorithms by playing logic-based games
• Building simple apps using visual coding tools

EDUCATION

Swansea University, United Kingdom   2014 – 2016
MSc, Computer Science

Middle East Technical University, Türkiye   2010 – 2014
BSc, Computer Education & Instructional Technology

SKILLSET

• Programming Language   : Java, Android, Python
• Databases   : OracleSQL, MSSQL, PostgreSQL, CouchBase
• Backend   : Spring, Spring Boot, Django, Oracle WebLogic Server
• Frontend   : React, PrimeFace, JSF, CSS, HTML
• Tools   : Git, Bitbucket, Jenkins, Jira, Confluence, Graylog
• Testing   : JUnit, Mockito
• Documentation   : Markdown, Swagger/OpenAPI, ApiCurio

LANGUAGES

• Azerbaijan — Native   • English — Advanced
• Turkish   — Native   • Russian — Good

PROJECTS

#1 - Turkish Airlines Developer Portal

Description: A platform designed to facilitate the use of APIs provided by Turkish Airlines. The portal serves as a gateway to their APIs allowing developers to enhance their applications with features related to flights, availability, promotion, airport information, and so on.

https://developer.apim.turkishairlines.com

Role: As a Java Developer, my role centered around designing and developing APIs for external parties, specifically promotional code usage and fare search. Here are the key highlights:

• Utilizing OpenAPI specifications, I configured Promotion, Domestic Fare System (DFS), and International Fare System (IFS) API products within the Apicurio Studio web-based application.

Impact and Result: By implementing the RedHat 3Scale API Management product, I achieved significant results:

• **Security**: Robust authentication and authorization protocols helped the business to cut revenue loss by preventing attackers using web services to create promotion codes and coupons. Several Information Security Vulnerability Records closed as well.
• **Analytics**: Leveraging API management tools, the team gained visual user and service analytics.
• **Documentation** Efficiency: The automatic generation of API documentation directly from the design ensured accuracy and improved communication with API consumers.

#2 - ECSAnVis

Description: Extreme Citizen Science Analysis and Visualisation (ECSAnVis) is a five-year, €2.5M project funded by the European Research Council (ERC). The project aims to develop geographical analysis and visualisation tools for non-literate communities and design culturally appropriate and aligned with specific needs of social practices of the target audiences.

https://www.ucl.ac.uk/geography/research/research-centres/extreme-citizen-science-excites/projects/extreme-citizen-science-analysis

Role: As a Java/Android developer, my work involved mobile application development, usability enhancements, and active participation in academic studies.

• I maintained the data collection app called Sapeli, fixed bugs, and introduced new features to enhance the user experience.
• Following HCI practices, I designed and implemented interactive   prototypes using digital tools and contributed to building the Sapelli Visualiser app to show geographically meaningful collected data.

Impact and Results: My contributions helped society and improved the usability of tools.
• Community Engagement: The apps enabled local communities to actively participate in scientific data collection and increased scientific literacy among participants.
• Stable App Version: Bug-free, tested, and more stable version of the data collection app released.

CERTIFICATIONS & TRAINING COURCES

Google - Technical Writing for Engineers
Linux Foundations - Creating Effective Documentations for Developers
Linux Foundations - OpenAPI Fundamentals

PUBLICATIONS

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1 - Android Sanatı - Mobile Application Development Book
(Gulbala Salamov, Volkan Gurbuz)
Level Yayın Evi (2017)
ISBN 6058382766
https://www.kitapyurdu.com/kitap/android-sanati/434078.html

2- 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

3. 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

4. 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

5. 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

6. 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

7. Development of Swansea University Mobile Application
Swansea University Research Press (2014)
Master Thesis