

ErekleMagradze

Curriculum Vitae

Work Experience

- 02.2024- **Fundbox/Webiz**, fundbox.com webiz.com, Tbilisi, Georgia.
Till Now DevOps Team Lead/Manager;
- 12.2023- **Fundbox/Webiz**, fundbox.com webiz.com, Tbilisi, Georgia.
02.2024 DevOps Engineer;
- 01.2023- **Ilia State University**, iliauni.edu.ge, Tbilisi, Georgia.
Till Now Director of School of Technology, ABET Accreditation Manager for Educational Programs at Faculty of Business, Technology and Education;
- 06.2021- **Ilia State University**, iliauni.edu.ge, Tbilisi, Georgia.
Till Now Professor, Head of Computer Science undergraduate Program at Faculty of Business, Technology and Education;
- 03.2023- **World Bank**, www.worldbank.org, Washington D.C., USA.
05.2023 Data Engineer and Data Scientist;
- 05.2022- **Quantori LLC**, quantori.com, Tbilisi, Georgia.
09.2023 Lead DevOps Engineer/DevOps Solid Line Manager
- 03.2021- **EPAM Systems**, epam.com, Tbilisi, Georgia.
03.2022 Lead DevOps Engineer
- 11.2019- **MaxinAI**, maxinai.com, Tbilisi, Georgia.
03.2021 Director of Engineering
- 01.2019- **San Diego State University - Georgia**, sdsu.edu.ge, Tbilisi, Georgia.
05.2023 Invited Academic Staff, Coordinator of Computer Science Program in Georgia;
- 11.2018- **Liberty Bank JSC**, www.libertybank.ge, Tbilisi, Georgia.
01.2020 Head of BigData Analytics Division of IT Department;
- 09.2018- **Ilia State University**, iliauni.edu.ge, Tbilisi, Georgia.
06.2021 Associate Professor at Faculty of Natural Science and Engineering/Business, Technology and Education;

✉ erekle@magradze.de 🌐 www.magradze.de;
erekle.magradze@iliauni.edu.ge

- 10.2016-08.2018 **Recogizer Group GmbH**, www.recogizer.com, Bonn, Germany.
Lead BigData Analytics and DevOps Direction;
- 07.2015-10.2016 **Karlsruhe Institute of Technology**, Steinbuch Center for Computing, Karlsruhe, Germany.
Data Scientist, Data Engineer and Sistem Analyst in Smart Data Innovation Lab (SDIL) project.
- 2008-2016 **CERN**, ATLAS Experiment, Geneve, Switzerland.
European Organization for Nuclear Research (CERN), Large Hadron Collider, member of ATLAS Experiment Author list.
- 2011-2015 **Researcher/PhD Student**, II Physics Institute of Faculty of Physics at Georg-August Universität Göttingen, Göttingen, Germany.
- 2007-2011 **Head of IT Group**, SOCAR Energy Georgia LTD, Tbilisi, Georgia.
- 2008-2010 **International Science and Technology Center**, *ISTC*, Tbilisi, Georgia.
Project title: Development of Armenian-Georgian Grid Infrastructure and Applications in the Fields of High Energy Physics, Astrophysics and Quantum Physics.
- 2007-2010 **International Science and Technology Center**, *ISTC*, Tbilisi, Georgia.
Project title: The Search of Rare Processes Within and Beyond the Standard Model at ATLAS Experiment of Large Hadron Collider at CERN.
- 2007-2009 **System Administrator**, *Ivane Javakhishvili Tbilisi State University, Institute of High Energy Physics*, Tbilisi, Georgia.

Education and Trainings

- 2016 **The Johns Hopkins University, School of Medicine, Course on Statistical Inference**, *Online*.
- 2011-2016 **Doctorate Studies**, *Georg-August Universität Göttingen*, II Physics Institute of Faculty of Physics, *Göttingen, Germany*.
Magna Cum Laude
- 2013 **GridKA School 2013 - Summer School on BigData Systems, Clouds and Grids**, *Karlsruhe, Germany*.
- 2011 **CERN School of Computing - CSC 2011**, *Copenhagen, Denmark*.
- 2009 **The 19th Jyväskylä Summer School - Courses: Computing and Information Systems Security, Methods of Optimization**, *Jyväskylä, Finland*.
- 2007-2009 **Master's degree Computer Science, Mathematics, Statistics and Information Technologies**, *Sokhumi State University*, Faculty of Exact and Natural Sciences, *Tbilisi, Georgia*.
with Honors
- 2002-2006 **Bachelor of Applied Mathematics**, *Ivane Javakhishvili Tbilisi State University*, Faculty of Exact and Natural Sciences, *Tbilisi, Georgia*.
with Honors

✉ erekle@magradze.de 🌐 www.magradze.de;
erekle.magradze@iliauni.edu.ge

1998-2002 **Komarov (199) secondary Physics and Mathematics Gimnasium, Tbilisi, Georgia.**
with Honors

Experience and Areas of Competence

- Cloud, .
- CloudOps 10+ year experience on building, managing, administration and automation of on premises or/and hybrid cloud solutions. Building, management, administration and automation of Cloud technologies of the AWS, GCP, Microsoft Azure providers;
- DevOps, .
- DataOps 8+ years experience of: development, implementation and automation of SDLC cycles and policies within the on premises, private, hybrid and AWS, GCP and MS Azure cloud solutions; Accepting, processing and streaming of Big Data, automation of platforms and data processing and pre-processing pipelines;
- Project .
- Management 5+ years experience of evaluation, planning, agile (Scrum, Kanban) management and delivery of Full Stack, Machine Learning/AI, Data Engineering and Data Science related projects;
- Education .
- Processes 7+ years experience in, STEM (Science Technology Engineering Mathematics), ICT (Information Communication Technology) undergraduate and Master's program development, management, administration and preparation for the local and international accreditation (ABET) and certification.
- Management

Achievements

- 2015 Poster Session Winner - 21st International Conference on Computing in High Energy and Nuclear Physics CHEP 2015, Okinawa, Japan.
- 2013 Best Young Speaker - The XXIV International Symposium on Nuclear Electronics & Computing, Varna, Bulgaria.

Teaching Experience

- 2018-Till Now Ilia State University, Tbilisi, Georgia. List of the Courses:
- Introduction of Computer Science CS50 - Undergraduate Level
 - AWS Cloud Practitioner Certification Official Course - Undergraduate Level
 - Object Oriented Programming using C++ - Undergraduate Level
 - Introduction to Programming using Python - Undergraduate Level
 - Data Analysis Using Python - Undergraduate Level
 - Distributed Systems - Software Engineering Master's Program
 - Distributed and Parallel Computing - Software Engineering Master's Program
 - DevOps Technologies and Automation - Software Engineering Master's Program
- 2019-2021 San Diego State University Georgia. List of the Courses:
- Computer and Data Networks - Undergraduate Level
 - System Programming (ინგლისურად) - Undergraduate Level
 - Linux/Unix Systems Administration - Undergraduate Level
- 2012-2014 Georg-August Universität Göttingen, Göttingen, Germany. List of the Courses:
- Practical Course on Application and Programming in Grid (Anwendung und Programmierung im Grid)
 - Principles of Grid and Cloud Computing
 - Practical Course on Parallel Computing
 - Using Research Infrastructures - Examples for Humanities and Science

Master's Student Supervision

- 2023 - Ilia State University, Software Engineering Master's Program, Tbilisi, Georgia. Thesis title: "API for User, Organization, and Access Management.";
- 2023 - Ilia State University, Software Engineering Master's Program, Tbilisi, Georgia. Thesis title: "Blockchain based Authorization/Authentication System.";
- 2023 - Ilia State University, Software Engineering Master's Program, Tbilisi, Georgia. Thesis title: "Microfrontends Architecture based Web Application for Access Management system for Users and Organizations";
- 2023 - Ilia State University, Software Engineering Master's Program, Tbilisi, Georgia. Thesis title: "IoT devices/Machine Identity Management System";
- 2021 - Ilia State University, Software Engineering Master's Program, Tbilisi, Georgia. Thesis title: "Online Examination System - Examen Examen (Front End)";
- 2021 - Ilia State University, Software Engineering Master's Program, Tbilisi, Georgia. Thesis title: "Online Examination System - Examen (Back End)";
- 2013 - Georg-August Universität Göttingen, Göttingen, Germany, Thesis title: "HappyFace Meta-Monitoring for ATLAS in the Worldwide LHC Computing Grid";

Scientific Activity

List of articles will be provided upon request.

Scientific Projects/Grants

- 2023 - Till Now (ongoing) Researcher - Georgian morphosyntactic computational analysis and tools for the annotation of universal syntactic dependencies (Projects No NEAR/TBS/2021/EARP/0086 and No FR-22-20496);
- 2019 - 2021 (completed) Project Manager - API for Georgian Language Processing (Project: CARYS-2019);

✉ erekle@magradze.de 🌐 www.magradze.de;
erekle.magradze@iliauni.edu.ge

Professional and Social Activities

Conferences

- 2022 Year DevOps Con Tbilisi 2018 - Co-Organizer, Tbilisi, Georgia
- 2019 Year DevOps Con Tbilisi 2019 - Co-Organizer, Tbilisi, Georgia
- 2018 Year DevOps Con Tbilisi 2022 - Organizer, Tbilisi, Georgia

Meetups

- 2023, July 8 - AWS User Group Tbilisi, Event: AWS Game Day Georgia, Tbilisi, Georgia - Co-Organizer;
- 2023, June 15 - DevOps Georgia, Topic: DevOps in Action: From Code to Deployment, Tbilisi, Georgia - Co-Organizer;
- 2023, May 11 - AWS User Group Tbilisi, Topic: oT Foundations - Kickstart Your Journey with AWS, Tbilisi, Georgia - Organizer;
- 2023, March 1 - AWS User Group Tbilisi, Topic: AWS Community Meeting with DataArt Georgiab, Tbilisi, Georgia - Organizer;
- 2023, February 9 - DevOps Georgia, Topic: Introduction to GCP World, Tbilisi, Georgia - Co-Organizer;
- 2023, February 2 - DevOps Georgia, Topic: Shift-Left Test Automation, Tbilisi, Georgia - Co-Organizer;
- 2022, December 1 - DevOps Georgia, Topic: SRE in Action, Tbilisi, Georgia - Co-Organizer;
- 2022, October 27 - AWS User Group Tbilisi, Topic: AWS Community Meeting with TBC Bank, Tbilisi, Georgia - Speaker, Organizer;
- 2020, June 16 - DevOps Georgia, Topic: Elastic Search StatefulSet and Kibana service in k8s cluster (Speaker: Nana Janashia), Online - Organizer;

Talks and Presentations


- 2023, June 15 - Event: DevOps Georgia and ExactPro Joint Meeting, Topic: DevOps in Action: From Code to Deployment, Presentation Title: DevOps Pipelines – from Code to Infrastructure and Deployment, Tbilisi, Georgia;
- 2023, September 10-11 - Event: DataFest Yerevan, Topic: Overview of Time Series Forecasting Techniques, Tbilisi, Georgia;
- 2021, March 29-30 - Event: TECHNOVA - TALKS ABOUT CYBER SECURITY AND DATA SCIENCE, Topic: Data Science and AI Technologies, Online;
- 2021, December 7-11 - Event: DataFest Tbilisi, Topic: Time Series Data Analysis, Online;
- 2020, May 29 - Event: NASA Space Apps Challenge Abastumani, Topic: AI, Online;
- 2019, October 11-21 - Event: NASA International Space Apps Challenge, Topic: Machine Learning and AI, აბასთუმანი, Georgia;
- 2018, November 7-9 - Event: DataFest Tbilisi, Topic: Computing for LHC (Large Hadron Collider) Experiments at CERN, Workshop on: Application of Fuzzy Control; Tbilisi, Georgia;
- 2018, September 29-30 - Event: DevOps Con Tbilisi 2018, Topic: Katello + Foreman + GitLab; Co-Speaker on Topic: DataOps, Tbilisi, Georgia;

Professional Trainings

- 2022, December - 2023, April- Training Course Title: Advanced IT Trainings, DevOps, USAID Economic Security Programme Training for Life (T4L) Industry-Led Workforce Development და Ilia State University, Second Cohort, Tbilisi, Georgia;
- 2021, October - 2022, March - Training Course Title: Advanced IT Trainings, DevOps, DataOps, CloudOps, USAID Economic Security Programme Training for Life (T4L) Industry-Led Workforce Development და Ilia State University, პირველი მიღება, Online / Tbilisi, Georgia;
- 2021, September-December - Training Course Title: DevOps Training for Liberty Bank JSC, Online;

Languages

Georgian **Native**
English **Fluent**
Russian **Fluent**
German **Basics**

✉ erekle@magradze.de 
www.magradze.de;
erekle.magradze@iliauni.edu.ge