



Farruh Kushnazarov

Senior GenAI Architect

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Online Platforms —

- Google Scholar
- ResearchGate
- LinkedIn
- Medium
- GitHub
- ORCID

About Me —

As an self-sufficient GenAI Architect in foundation models field with more than 8 years of experience, I proficiently execute data-driven solutions to enhance efficiency and accuracy. My passion for software, databases, and AI drives me to deliver cutting-edge solutions.

Professional Experience

Senior GenAI Architect, Alibaba Cloud Global

April 2022 – Present Shanghai, China

- Provide Generative AI solutions using foundation models (LLM, Stable Diffusion, etc.) for business use cases.
- Building and integrating information systems related to AI and Big Data to meet the company's needs
- Resolving technical Generative AI and AI/ML/DL problems as they arise
- Assessing the business impact that certain technical choices have
- Providing updates to stakeholders on product development processes, costs, and budgets
- Responsible for Generative AI solutions outside of China, such as Qwen series, Animate Anyone, and EMO.
- Working closely with R&D team for future direction and analyzing latest technologies/papers. Providing supervision and guidance to development teams.
- Continually researching the current and emerging technologies in LLM, foundation models, computer vision, NLP, etc., and proposing changes where needed.

Lead Research Engineer, Midea HBT

November 2020 – April 2022 Foshan, China

- Languages — Tensorflow, Keras, Python, SPARQL, Cypher, RDF, Ontology.
- Use data science methods to work with domain experts to develop and implement data-driven solutions.
- The work mainly involves data-driven predictive control, predictive maintenance, fault diagnosis, behavior pattern analysis, etc.
- Carry out including experimental design, data collection, data analysis, model building, model verification, model deployment, continuous iteration, and other aspects of work.
- Complete the data modeling analysis report, and carry out technical precipitation.
- Read relevant literature and keep up with the latest developments in data science and business.
- Interview the potential candidates for the data scientist team.

Big Data & Data Scientist Manager, Ping An

September 2016 – November 2020 Shanghai, China

- Languages — Python, Tensorflow, Keras, R, RMarkdown, SQL, Spark, and Hive.
- NLP: have done projects like text classification, sentiment analysis, and text summarization.
- Implemented and retrained Mozilla DeepSpeech library for Automatic Speech Recognition.
- Created and tested the Speech Accent Classification System for native and non-native speakers, with a rate of 99% in metric recall.
- Conducted classification analyses of the customer life cycle stage to increase overall turnover.
- With algorithmic, optimized ongoing ML/DL models and checked the performance of implemented models.
- Established the Machine Learning model for refund customers and updated the refund model. Decreased the overall refund rate to 27%.

Link: [View Work Experiences](#)

Dissemination, Interviews & Other Media Appearances

- Link: Master Llama 3 LLM Deployment on Alibaba Cloud Intelligence
- Link: Easily Deploy Llama 3 LLM on Alibaba Cloud ECS with Ollama Runner & Open-WebUI!
- Link: Master the Creation of an AI-Powered RAG Service on Alibaba Cloud
- Link: Unlock the Power of Llama 3 LLM on Alibaba Cloud PAI-EAS
- Link: Mastering Generative AI: A Step-by-Step Course for LLama2 Models on Alibaba Cloud's PAI-EAS

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Language Skills

English

- Fluent in speaking, reading, and writing (CEFR Level C1)

Chinese (Mandarin)

- Intermediate proficiency (HSK 4)

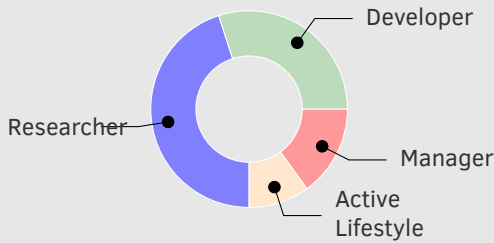
Russian

- Native proficiency

Uzbek

- Native proficiency

Work-Life Balance



Barskills

Python

GenAI/LLM/Foundation Models

LaTeX/Markdown

Hard Skills

Programming

- Python, R, SQL/NoSQL, Hive, Spark, C/C++, Matlab

Numerical Methods

- stochastic optimization and numerical solution of differential equation

Statistics

- Machine learning, data analysis, generalized linear regression, cluster analysis, factor analysis, principal components analysis (PCA), cross validation, generalized additive models, data analytics

Writing

- Written 50 articles via LaTeX, Markdown, HTML

Education

- Ph.D. in Mathematical Modeling, Numerical Methods, and Computer Programs Research Field:** *Develop data transmission methods for evaluating the real speed of data link layer protocols, which aimed at improving hardware and software components*
University: *Emperor Alexander I St.Petersburg State Transport University*
Year: *2012–2016*
Place: *St Petersburg, Russia*
- M.Sc. Information systems and technologies 2008–2010**
University: *Emperor Alexander I St.Petersburg State Transport University*
Place: *St Petersburg, Russia*
GPA: *4.67/5*
- B.Sc. Information systems and technologies 2004–2008**
University: *Emperor Alexander I St.Petersburg State Transport University*
Place: *St Petersburg, Russia*
GPA: *4.87/5*

Publications

Academic Publications

Link: [View All Scientific Papers](#)

Others

Link: [View All Blog posts, Online tutorials, Hands-on guides, Technical articles](#)

Projects

- 2020** *Everyone who speaks a language, speaks it with an accent*
Project Link: [NLP - Speech Accent Detection](#)
Results: Accuracy=0.90, Recall=0.91, Precision=0.93 Increased accuracy of ASR (Automatic Speech Recognition)
- 2019** *Classified to 10 different topics* Ping An Hao Xue 好学, under Ping An 平安 China Private
Results: 10 topics, Accuracy=0.87 with LDA
- 2015** *Moscow Smart Lighting Projects* Domus Sapiens
Project Link
- 2015** *Implemented at the company L-Cube LLC* L-Cube
Company WebPage
- 2016** *Certificates from EMC2 Data-Center Implementation Certificate* EMC-DELL
- 2009** *Intelligent rail system transportation summit* IntellektTrans
Conference WebPage **Role:** Volunteer

Accomplishments

- 2021 *Accelerating End-to-End Data Science Workflows.* Link: [Nvidia-Deep Learning Institute](#)
- 2020 *IBM Data Science.* Link: [IBM](#)
- 2020 *Mathematics for Machine Learning: Multivariate Calculus.* Link: [Imperial College London](#)
- 2020 *Mathematics for Machine Learning: Linear Algebra.* Link: [Imperial College London](#)

April 18, 2026
Kushnazarov

Farruh