Timur Toktassynov
Software Engineer

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EXPERIENCE

Wordpress Developer   Nov 2018 – Apr 2020
Freelance, Portfolio at Madees.kz/portfolio   *Nur-Sultan, Kazakhstan*
- Launched websites for SMEs and initiated social media marketing campaign which led to 7 million USD sale

Software Engineering Intern   Oct 2018 – Nov 2018
Professional Fellowship, Oseberg & Pinnacle Business Systems   *Oklahoma, US*
- Volunteered to inspect and proposed recommendations on improving master data synchronisation scripts for data from public regulatory filings

Project Manager   Sep. 2016 – June 2017
Full-time, KazMunayGas Global Solutions B.V.   *Nur-Sultan, Kazakhstan*
- Delivered integration and configuration of corporate oil and gas accounting system for 200+ users, which led to decrease of production data discrepancy by 1.5%

Software Engineer   Aug 2012 – Sep 2014
Full-time, KazMunayGas Exploration Production   *Nur-Sultan, Kazakhstan*
- Designed data warehouse, integrating GPS data, vehicle dispatch data and developed transport monitoring system which led to increase of vehicles utilization by 15% (ASP.NET, SQL Server)

PROJECTS

Domain Name Systems | *Python, Shell, Docker, VirtualBox VM*   October 2020 – November 2020
- Implemented 15 name servers for portion of DNS hierarchy via Dnslib and Python sockets interface
- Improved robustness of DNS system by finding failing nameserver and creating a replica for it

Operating a network | *Python, Shell, Docker, VirtualBox VM*   December 2020 – December 2020
- Configured a network of 15 routers, 11 switches, 11 hosts to satisfy high-level requirements by fixing STP and OSPF configuration of switches and routers. Implemented short python script to check if network satisfies requirements

Search Engine | *C++, Git* | github.com/ttoktassynov/search_engine   April 2020 – April 2020
- Developed a console application using C++ that lets you add documents to inverted index and search them
- Decreased search time by 16 times via keeping hit counts in hash table and applying partial sorting algorithm

Bus Route Manager | *C++, JSON, Git* | github.com/ttoktassynov/transport_spr   April 2020 – April 2020
- Developed a console app that helps search bus routes by leveraging Dijkstra algorithm to find shortest path

EDUCATION

University College London   London, UK
MSc Candidate in Software Systems Engineering   *Sep. 2020 – now*
- Core: Tools and Environments, Requirements Engineering, Validation and Verification, System Integration
- Electives: Networked Systems, Information Retrieval and Data Mining

Eurasian National University   Nur-Sultan, Kazakhstan
MSc in Information Systems, GPA 3.71/4.0, Distinction   *Sep. 2014 – Sep 2016*

Kazakh-British Technical University   Almaty, Kazakhstan
BSc in Information Systems, GPA 3.82/4.0, Distinction, President of Debate Club   *Sep. 2008 – Sep 2012*

TECHNICAL SKILLS

Technologies and Frameworks: Java, Python, C, C++, SQL, HTML, Flask, JUnit, Git, Maven, Gradle, Ant, Make
Languages: English (fluent), Russian (fluent), Kazakh (native), French(basic)

AWARDS

Chevening Scholarship: 2020 Prestigious UK government scholarship, top 8 out of 450 applicants in Kazakhstan
Gold medal: 2011 Intervarsity Debate Championship KBTU, absolute 1 place out of 20 teams
Silver medal: 2008 International Zhautykov Olympiad on Physics, top 20 out of 100 participants
Silver medal: 2007 Republican Olympiad on Physics, top 5 out of 35 participants