

We provide disruptive technology solutions to help businesses reach, scale and accelerate their digital goals



About us

Alatau LLP was founded in 2011 in Almaty, Kazakhstan and has since successfully delivered complex enterprise technology solutions to multiple organizations worldwide

We're on a mission to maximize capabilities of technology as a tool to positively change the world

Team

Story

We are a cross-functional team with more than 40 highly skilled professionals experienced in software engineering, IT, security, data engineering, design, strategy, banking systems and public sector

10 years in the market

Clients

Mission

We focus on building strong and life long relationships with our customers. We are committed to creating exceptional customer experiences and deliver gamechanging solutions to our clients







We provide:





Our projects





The Waterloo Accelerator Center is the first private business accelerator in Canada to be ranked in the top 5 in the world for mentoring and incubating startups.

Using this opportunity, we were awarded a cash grant for the implementation of our project and were enrolled in the incubation program, where we did market analysis/target client identification, product promotion, cold calls, attracting potential customers, conducting presentations, events.

1. Development and implementation of a software with analytics functionality in supermarket chains

2. Development of software with analytics functionality for parking zones

3. Implementation of adaptive traffic lights

4. Development of software with analytics functionality for lanes with no more than2 people in cars





Department of Urban Planning and Urban Development of the city of Almaty

Automated geographic information system

Description of the software

The system is used to display, process, search for information, analyze and make decisions based on access to spatial data on the location and current status of buildings and structures, related facilities, infrastructure and adjacent territories of the city of Almaty
The system provides centralized collection, systematization, storage, updating, display, analysis of spatial data based on the capabilities of the basic ArcGIS software. It also facilitates conducting government / other services to individuals and legal entities

Provided solution

- Developed an automated geographic information system
- Reengineered and optimized business processes
- Integrated the software with state information systems and databases
- Incorporated software security to be in compliance with information security requirements and obtained an Act with positive protocols



Police Department of the city of Almaty of the Ministry of Internal Affairs of the Republic of Kazakhstan

Automated information system "Road safety"

Description / purpose of the project

- AIS RS is designed for video recording of passing vehicles, automatically detecting and recording traffic violations, issuing fines for captured violations and saving them in an electronic database. It also sends all captured data to authorized state bodies

- The hardware and software complex for video recording includes equipment and related software installed on sections of cantilever and arched metal structures, above roads

- The hardware and software complex automatically operates 24/7 in and records all vehicles passing in the zone of surveillance, as well as identifies and fixates violations of traffic rules. When a driver of a vehicle commits a violation of traffic rules, the hardware and software complex records information about the violation, the recognized state registration plate, the date and time of the violation, the image of the vehicle with which the violation was committed, as well as images confirming the fact of the violation

Completed work

- Installed and launched the operation of 300 cameras for traffic control

- Trained neural networks to recognize vehicles, localize registration numbers, recognize letters and numbers in a license plate

- Training was carried out on a dataset of 1.3 million marked up pictures





Processing system of Nazarbayev University

Description of the software

Automation of personal accounts of consumers and service providers, as well as automation of accounting processes for consumers' payments.

The main tasks for the implementation of the system are:

- Maintaining and keeping the accounts
- Consumer accounts management
- Receiving, storing and viewing information about the state of the consumers' accounts and the operations performed by them
- Maintaining reference books and classifiers
- Integration of payment receipt processes
- Consolidation of reports
- General IT administration

Provided solution

- Developed a billing and payment processing system for the university
- Integrated the sowftware with information systems of Nazarbayev University (including Kassa 24 software)
- Conducted technical support of the data center





System for collecting and monitoring advertising objects

Description of the software

- Automation of photo collection with the placement of advertisements
- Fixing the geo-position of employees when advertising objects are found
- Generating reports on processed advertising objects
- Maintaining historical data of advertising objects
- Transfer of data to the tax agency

Provided solution

- Developed a unified solution to keep track of advertising objects in the city of Almaty
- Created a database of advertising objects
- Developed individual consolidated reporting
- Developed and implemented an automated process for monitoring objects in the city of Almaty
- Developed a technical framework for the client
- Integrated the software with the providers of spatial and reference data (2GIS)





Per capita financing calculation system

Description of the software

- Simplification, acceleration of the collection, processing, storage, calculation, monitoring and analysis of data about the schools participating in the pilot of per capita normative financing of secondary education

- Increasing the reliability of school data used by JSC "Financial Center" as part of the work on maintaining and monitoring the implementation of per capita normative financing of secondary education

Provided solution

Developed an application software for per capita financing calculation



Ministry of Justice of the Republic of Kazakhstan

Electronic archive of the Real Estate Register

Description of the software

- Implementation of processes for bulk scanning of archived documents
- Development of a framework of registration files using barcodes
- Automatic barcode recognition when scanning files without using third-party licensed software
- Maintaining the version history of archival documents editing
- Customization and reporting functions
- Implementation of possibilities of integration with other systems via API
- Data storage using Google algorithms with up to 30% space saving of jpg, png, pdf files
- The ability to recognize text by implementing the ABBYY Recognition SDK
- Performing operations in the system via a Web browser, which does not require the installation of client applications to view archived documents
- The ability to store large graphic files

Provided solution

Modernized and performed technical support of the Electronic Archive of the Real Estate Register of the Republic of Kazakhstan



General Prosecutor's Office of the Republic of Kazakhstan

Description of the software

Performed technical support of the all system software and equipment

Provided solution

- Administration of massive disk spaces

- Administration of a cluster of virtual machines (administration of server hardware for virtualization of workstations based on VMWare vSphere, VMWare view

- Administration of public file servers (installation, configuration and administration of servers of Debian, Ubuntu, Red Hat, Linux, Windows 2008 Server, Windows 2008 R2 Server, Windows 2012 Server, Windows 2012 R2 Server, Windows Server 2016, installation, configuration and administration of DBMS MySQL, Microsoft SQL Server (2008, 2008 R2, 2012, 2014, 2016), FireBird)

- Administration of Active Directory servers
- Administration of the anti-virus system
- Administration of the Polycom RMX 2000 video conferencing server
- Administration of the Polycom RSS 4000 video conferencing recording server
- Administration of PKI and VISTA servers
- Administration of PAK CERTEX HSM
- Maintenance and technical support of the Customer's departmental e-mail service;

- Provision and implementation of the policy of restricting access of the Customer's employees to non-corporate websites and systematic control of Internet use for business purposes: installation, configuration, administration of mail services (SMTP, Pop3, IMAP, Exchange), mail servers (Zimbra, Exchange 2010, Exchange 2013, Exchange 2016), DNS server, proxy server (Traffic inspector, squid), installation, configuration and administration of information security systems and user authentication when accessing corporate network resources - Cisco Security Manager server, Cisco IPS intrusion detection and prevention systems, multifunctional security devices Cisco ASA, wired and wireless access policy management software - Cisco ISE, IBM QRadar global network resource monitoring system, Internet traffic accounting and control software Trafic Inspector, Squid, active network equipment administration from Cisco Systems, Hewlett Packard, Juniper, Dell)





Astana Innovations JSC

Video surveillance system for violations and issuance of fines

Description of the software

Unified more than 300 cameras into a single analytical software based on artificial intelligence to process the following events:

- 1. Formation of crowds
- 2. Abandoned items
- 3. Presence of smoke
- 4. People fighting
- 5. Capturing license plates of vehicles
- 6. Capturing the speed of vehicles when passing the control point using Doppler radar

7. Generation of fines in bulk for further processing by the police in the city of Astana (Nur-Sultan)

- 8. Printing the orders according to the requirements of the Police
- 9. Subsequently, a revision was made for sending orders by hybrid mail (without printing)

Provided solution

Developed of a video surveillance system for violations and issuance of fines



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