Alex Demidov

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EXPERIENCE

- **Outcome Engenuity** | *Senior Software Engineer*   Fort Lauderdale, FL | *Jun 2019 - Present*
  - **Learning Management System**: Learning Management System: a system for provisioning training services for clients. Developed critical components, including user management, course player engine, progress tracking, scoring, message board, and certificate issuance. Built using Java, MongoDB, and AWS.
  - **Trajectories**: Designed and implemented a new version of risk modeling software. This led to the growth of a new business area for the company. Built using JavaFX. Available on Windows and macOS.
  - **License server**: Implemented a webapp to issue licenses for the company's IT products and a RESTful service to check eligibility and user credentials, reducing weekly manual effort for IT support by 50%.

- **HORS' Group** | *Technical Lead*   Moscow, Russia | *Jun 2017 - Mar 2019*
  - **ETL**: Developed many parts of ETL system: Python library for aggregating data, Google Apps Script modules (Javascript) for importing data from Google Docs, Google Cloud Functions for requesting data from external services, Zapier jobs, and other services.
  - **Data Warehouse**: Led a team of 3 engineers to migrate a data warehouse from MS SQL Server databases to Google BigQuery, reducing reporting latency by five times (8 hours to 90 minutes). For reporting service was chosen Google Data Studio.
  - **Database migration**: Migrated the enterprise resource planning system data from MS SQL Server to PostgreSQL, reducing rental and subscription costs by 10x.
  - **Integration service**: Led a team of 2 engineers to create a REST service for the integration of various systems used in the company: GSuite, ERP, BPM.
  - **Interviewing**: Conducted 50+ onsite interviews for roles in the IT and Analytics department.

- **Anker DV** | *Technical Lead*   Vladivostok, Russia | *Apr 2013 - Jun 2017*
  - **Android app**: Designed and implemented a sales agent Android application and a RESTful webservice used to create sale orders, currently used by over 200 users in the company.
  - **Integration service**: Developed and maintained a REST service for connecting various systems: ERP, online store, warehouse system. This service reduced latency and had an impact on the business: the website began to display current inventory, and sellers could also see the movement of goods in warehouses online.
  - **Analytics system**: Designed and implemented various analytics reports. Optimized indexing, rewrote queries, and restructured table schema to decrease some reports latency by 300%.

- **ALIIS Coffee** | *Lead Engineer*   Vladivostok, Russia | *Jul 2012 - Apr 2013*
  - **Notification service**: Designed and implemented internal notification service (SMS, email, phone).
  - **Payroll System**: Developed a payroll service for employees.

- **Profdis LLC** | *Software Engineer*   Vladivostok, Russia | *May 2010 - Jun 2012*
  - **Replication service**: Service for sharing updates between ERP nodes written on C# (ASP.NET).
  - **Geo-tracking service**: REST service for geo-tracking of company trucks. As trackers, we used Android phones with an app that sends GPS coordinates every 5 minutes.

- **Vilor LLC** | *Software Engineer*   Vladivostok, Russia | *Jun 2009 - May 2010*
  - **App developing**: Various small projects for clients of the company, mainly in C#, like plugins for cash register software.

EDUCATION

- **Far Eastern Federal University**   Vladivostok, Russia
  Mathematics and Computer Science (Applied mathematics)   *2004 - 2006*

PROGRAMMING SKILLS

- **Languages**: Java, Python, Javascript, SQL, C#

- **Technologies**: AWS, GCP, Spring, MongoDB, RabbitMQ, Docker, Git