Uldis Sturms (Contracts Only)

For the last 11 years Uldis has been contracting as a developer and dev lead in both private and public sectors. He has had a noteworthy experience working in international companies and across distributed teams, focussing on development with **JavaScript, TypeScript, NodeJS, Docker, AWS, Agile, Pair-Programming, Monitoring, Metrics, Distributed Caching, Scheduling, RabbitMQ, cloud computing, NoSQL, MySQL, SQL server, TDD** and others. Has been in London and working at a fast paced startup companies that practice TDD. Occasionally blogs: https://uldissturms.github.io. Loves to contribute to open-source projects, hosting Lunch & Learns, code sharings, **algorithms**, machine learning and **AI**.

Skills Summary

Skills	Experience
JavaScript	11 years
NodeJS, Agile, DDD, BDD, TDD, GIT, CI, Jenkins, Travis, CircleCI, REST, SOLID	6 years
AWS, Python, MongoDB, RabbitMQ, Chef, Linux, Docker	3 years
TypeScript, ReactJS, Redux, Ruby, Distributed Caching, CDN, Nginx, Lua, HAProxy, Logstash, Varnish, MariaDB, ElasticSearch	2 years
Haskell, Go, Ansible, R, Marathon, Mesos, Zookeeper	1 year

Certifications
- AWS Certified Solutions Architect - Associate (2019);
- AWS Certified Security - Specialty (2019);
- AWS Certified Big Data - Specialty (2019);
- AWS Advanced Networking - Specialty (2019).

Selected Projects and Positions

August 2019 - Present   Senior Node Engineer, BCG Digital Ventures, London, UK
Role
- Senior Node Developer in Axora - Intellectual Property marketplace;

Responsibilities
- Implement a graph based recommendation engine for IP based on company, sector, tags and past recommendations;
- Auth, security and monitoring of APIs.

Technologies
- AWS - Lambda, API Gateway, Cognito, DynamoDB, Aurora Serverless, Kinesis, ElasticSearch, CloudWatch, Neptune, Neo4j, SNS, SQS;
- TypeScript, NodeJS;
- React, Jest;
- CMS - Contentful;

August 2018 - July 2019   Senior JavaScript Engineer, Fidelity International, London, UK
Role
- Senior JavaScript Developer in Global Chatbot team;

Responsibilities
- Develop Bot Engine and CMS that supports dynamic bot creation across many business areas (IT, Travel & Expenses, HR, Processes);
- Created an interactive Conversation Flow designer using React and SVG;

Technologies

Uldis Sturms   **nodejs,** `ReactJS,` `NOSQL,` `SQL,` `TDD`   **Senior Software Developer**

- AWS - Lambda, API Gateway, Step Functions, Cognito, DynamoDB, Aurora Serverless, Kinesis, ElasticSearch, CloudWatch, Athena, IoT;
- TypeScript, NodeJS;
- MQTT, WebSockets;
- React, Hooks, GraphQL, Apollo, Jest, Enzyme, Storybook, Webpack, SVG;

January 2018 - July 2018   NodeJs Development Consultant, SapientRazorfish, London, UK

Role
- Tech Lead in Commercial Open Banking project for one of the big UK banks;

Responsibilities
- Lead payment and account Open Banking APIs for commercial customers development;

Technologies
- NodeJS, Loopback, Swagger – REST API;
- Pact – Consumer Driven Contracts;
- IBM API Connect – API Gateway;
- Github Enterprise;
- Splunk – observability;
- Bluemix & Cloud Foundry – container hosting platform;
- Jenkins - CI;

March 2017 - November 2017   DBaaS Engineer, Barclays, London, UK

Role
- DBaaS Engineer in Barclays;

Responsibilities
- Productionisation of Database As a Service NodeJS microservice solution - access control and provisioning;

Technologies
- NodeJS, Express – microservices;
- PM2 – NodeJS process manager;
- Bunyan, Prometheus, Grafana, ELK – observability;
- Ava – NodeJS testing (ES2017);
- OpenShift – container hosting platform;
- GPG – secret encryption;
- RabbitMQ – messaging;
- MariaDB, Galera Cluster – metadata store;
- Kerberos – authentication;
- Jenkins – CI;

October 2016 - February 2017   Senior NodeJs Developer at R3PI, London, UK

Role
- Senior NodeJs software developer in R3PI;

Responsibilities
- Create authentication, invitation, document, communication, templates, contacts and partner data ingestion micro-services for Digital Garage;

Technologies
- NodeJS, Hapi, Swagger – microservices;
- Docker – hosted on AWS ECS;
- Pivotal Cloud Foundry;
- Kong – API gateway;
- Joi, MrHorse, Mongoose, BookshelfJs, Knex, Istanbul, Plato;
- CD - Bamboo & Concourse CI;

Uldis Sturms   nodejs, ReactJS, NOSQL, SQL, TDD   **Senior Software Developer**

April 2016 - October 2016   Software developer at Digiterre (Contract), London, UK
Role
- Software developer in Digiterre Agility;

Responsibilities
- Create an e-commerce product for tracking user acquisition, behavior and conversions;
- Global fixed income primary issuance product revamp - improved search, extensibility and scalability;

Technologies
- ReactJS, Redux;
- NodeJS – microservices;
- Docker – hosted on AWS ECS;
- Elasticsearch – fixed income primary issuance search across regions;

September 2014 – April 2016 Senior software developer at Markel International, London, UK
Role
- Senior developer in Digital Transformation Team;

Responsibilities
- Develop a platform for creating and adjusting existing insurance products that encourage the culture of experimentation;
- Introduce metrics and A/B testing capabilities into the platform;

Technologies
- .NET 4.5, C# 5, NancyFx, Go – backend services providing REST APIs on Windows servers;
- Consul – service discovery and zero downtime deployments;
- AngularJs, Sass – mobile first web applications;
- Visual Studio 2015, TDD, BDD, DDD, OctopusDeploy – unit, integration, acceptance tested services;
- MSMQ, MassTransit – bridge from microservices to legacy monoliths;
- Kanban – identifying constraints and practicing continuous improvement;
- Test-Kitchen, Chef, Vagrant, VirtualBox, vSphere;
- Go, Google Analytics, StatsD, Graphite – metrics and monitoring dashboards

June 2013 – September 2014   Application developer at 7digital, London, United Kingdom
Role
- Senior developer in Content Delivery Team;

Responsibilities
- Maintain, extend and scale software that enables HQ content ingestion, on-demand downloads and streaming of the content – from content delivered by label to user streaming track on his/her favourite device;
- On-call support on a pro rata basis

Technologies
- Mono, .NET 4.5, C# 5 – content ingestion platform running on debian and windows;
- Visual Studio 2013, TDD, BDD, DDD – delivering unit, integration, acceptance and smoke tested applications several times a day;
- MVC 4, NodeJs, NancyFx, Nginx, Lua, HAProxy – REST web services to deliver content to clients;
- Amazon Web Services, Route 53, cloud formation, CDN, Varnish;
- RabbitMQ – ingestion infrastructure microservices;
- Kanban;
- CFEngine, Chef, Vagrant – test driven infrastructure;

- StatsD, Graphite, NewRelic, Pingdom, Logstash, Elastic Search, Kibana, Zabbix – monitoring and alerting - close to real-time feedback

July 2007 – June 2013 Development lead / Application developer at various companies in Riga, Latvia

Responsibilities
- Design and develop core development framework for biometrics project;
- Develop MProfiler (bespoke middleware designed to provide a robust, reliable communication and data distribution platform between mobile and back office environments, creating a seamless integration for supply chain management);
- Deliver hardware and software integration solutions using COM Interop for Canon EOS series cameras, Crossmatch finger and palm scanners and BioLink fingerprint terminals;
- Develop an e-service for every citizen of Latvia to be able to know about his biometric data gathered on behalf of government. Client was able to use bank account or electronic signature card as an authenticator;
- Develop Windows Phone 7 application for mobile person identification by face photo;
- Design and develop a document management system for government and privately held Businesses;
- Optimize page load times;

Education

2009 – 2012	Master's degree, Computer Science, University of Latvia
2005 – 2008	Bachelor's degree, Computer Science, Riga Technical University