

Norberts Kakste

SOFTWARE DEVELOPER

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Education

University of Latvia

BACHELOR OF SCIENCE IN COMPUTER SCIENCE

- First level professional higher education diploma (Qualification - Programmer) [CURRENT]

Riga, Latvia

Sep. 2015 - ...

Skills

Programming languages Elixir, Erlang, Scala, Python, Go, Javascript, Typescript, Elm, Java, C#, Ruby, Rust

Web backend/frontend Phoenix, Django, Flask, Rails, Play, Spring, VueJS, ReactJS

Data processing / streaming Apache Spark, Apache Flink, Apache OpenWhisk, Kafka, AMQP (RabbitMQ, ActiveMQ), MQTT, Pulsar

Databases PostgreSQL, MySQL/MariaDB, Elasticsearch, Redis, CassandraDB, InfluxDB, TimescaleDB

Other Akka, Numpy, Pandas, ArcGIS, UWP, Keras

Experience

MESH Robotics

LEAD BACKEND DEVELOPER

- Built and deployed overall service infrastructure utilizing Docker containers, CircleCI on GCP stack (Kubernetes engine, Cloud SQL, Compute Engine); focusing on high-availability, fault tolerance, and auto-scaling.
- Wrote MQTT broker with akka to improve device communication with our backend and improve server load
- Developed data pipelines with Pulsar and Apache Flink to process incoming data and gather statistics about specific metrics.
- Implemented GraphQL / Rest API for IoT Device management
- Simple data forecasting with Machine Learning (keras) using LSTM network to forecast future data
- Developed an easy-to-use interface for IoT Device management in VueJS (NuxtJS)
- Communicated with our clients and adjusted our project goals to suit the needs of our clients.

Riga, Latvia

Feb. 2018 - PRESENT

Autentica

SOFTWARE DEVELOPER

- Developed UWP application with GIS components for "Lauka atbalsta dienests" (LAD)
- Improved C# GIS ASP.NET Backend that was responsible for tiled web map management / delivery.
- Worked on Ruby on Rails codebase for "Lauka atbalsta dienests" (LAD)
- Worked on java codebase for "Latvijas Valsts Meži"
- Improved C# code documentation and introduced unit-testing to UWP applications

Riga, Latvia

Jan. 2017 - Exp. Feb. 2018

Freelancing

SOFTWARE DEVELOPER

- Build job advertisement system in Ruby on Rails for LaimesZeme [2014]
- Started working on IoT startup Bright Field Technologies (now MESH Robotics) [2017]
- Countless bounties on bountysource.com, usually involved Python (Django, Flask), Ruby (RoR), Java(Spring, Dropwizard) [2014-2015]
- Worked on "Rīgas Tālmācības Vidusskola" school system, that involved planning and building internal system that teachers use to communicate with students [2018]

Jan. 2014 - Exp. May. 2018

Writing

Personal blog

FOUNDER & WRITER

- Articles about software development, mostly about actor-model related development, while also writing about newest features and tips for scala and elixir

norbertka.me

Jan. 2018 - PRESENT

Medium blog

WRITER

- Articles about software development

medium.com/@norberts.kakste

May. 2019 - PRESENT