

HIEN NGUYEN

Software Engineer

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🔗 PORTFOLIO : <http://hieJulia.github.io/>

📍 Helsinki, FI



EXPERIENCE

Full stack developer

Elisa

📅 11/2019 📍 Helsinki, FI

Elisa Smart Factory - Supply Chain team

- Java(Spring boot) | Azure (SQL, Devops pipeline, Service Bus, Container Instance group) | Google Protocol Buffer | Microservice architecture | JS(React, Redux)

IT consultant | Software developer

Academic Work | Booky.fi Oy

📅 09/2017 - 09/2019 📍 Helsinki, FI

IT consultant for clients: Cataloging system | Ecommerce projects | Packing automation project

- PHP, JS, MySQL/MariaDB, PostgreSQL, Ubuntu, Centos7, DevOps

Full stack developer

LiquidBlox

📅 08/2017 - 09/2017 📍 Espoo, FI

Back end bug fixing | Front end new features for Start-up product

- Node.js, Angular.js, MongoDB, AWS, Jenkins

PROJECTS

Algorithms optimization project

📅 2020 📍 Helsinki, FI

Optimization for software system design architectures

- Data structure and algorithms: Linked list, stack, queue, heap, graph, tree, hash, vector | Design and analyse computer science algorithms: BST, DFS, DP, Divide and Conquer, Hashing, DP, Recursion, Greedy, NP, Dynamic distributed algorithm | Optimization
- Architecture: High level system design, DB, API, network communication, cloud optimization, cache, message queue.

Flight booking

📅 09/2018 - 02/2019 📍 Helsinki, FI

Backend services & integration with microservice architectures

- Spring framework | MQTT (RabbitMQ, Kafka) | Redis | ElasticSearch | Docker | Database : MySQL, PostgreSQL, MongoDB, Cassandra | Bash scripting

SUMMARY

Software Engineer with full stack experience in back end system, integration, software architectures, optimization, databases.

EDUCATION

Bachelor of Business Information Technology

Haaga-Helia University of Applied Sciences

📅 2016

GPA

4.7 / 5

ACHIEVEMENTS



Google Cloud Platform certificate

1 day training certification from Google Cloud



StupidHack x Junction

"SayBark" - winner of one sector



Certification of Robodnic competition 2013

Robot competition for high school student teams.

PROJECTS

Junction 2019 HealthTech challenge project 48hours

📅 2019 📍 Junction

Dashboard analyze the performance of user emotions based on history of diaries kept by users, current emotions of user saved on the app.

- Chat bot - give recommendations based on user text input emotions.
- Diary - keep a history of daily emotions by speech recognition.
- User take a photo the app recognize the main emotions based on facial recognition and give recommendation what user should do to improve better emotions.
- connect to hospitals/ therapists and match the user health problems with suitable specialist.
- Data analyst and Machine learning analysis (Emotions and recommendation system) | Java, JS, MySQL, GCP, Docker, Google Vision API, Camera, Speech recognition, Chatbot Dialogflow API)

Desktop application | Mobile application

📅 2019 📍 localhost

Develop various software in desktop & mobile platform

- Facial recognition desktop application JavaFX, OpenCV, Tesseract OCR, LIBSVM
- Meetup clone hybrid mobile application

Online shopping service | Enterprise integration project

📅 2019 📍 localhost

Utilize AWS services for shopping system | Integrate enterprise backend services

- Serverless architecture API gateway, Lambda, SQS | Crawl service with Batch request run on EC2 | AWS Lex bot service | Upload object service S3, AWS ElasticSearch) - Logging, Monitor
- Real time chat service | Big data collections | Spark streaming web logs | CD/CI Minikube - Kubernetes) | Analyse performance of Spark vs. Hadoop with collections of public datasets | Spin docker container for integration test

SKILLS

Java Spring framework SQL

NoSQL AWS/GCP/Azure Jenkins

ETL Apache Kafka DevOps

Docker Linux Apache Hadoop

Kubernetes OpenCV ELK

Automation test Maven

Hibernate/JPA JavaFX Android

Kotlin NoSQL JS Node.js

Microservices 5G Scalability

MQTT Network Distributed system

Concurrency / Multi threading

VOLUNTEERING

Hackathon Volunteer

[Ultrahack](#) | [Slush](#)

📅 2019

Ultrahack combines hackathons, an innovation platform and accelerators in a unique manner. Our mission is to build a community where the best talent and leading industry partners could meet and collaborate towards future innovations.

Slush is the world's leading startup and tech event conference hosted annually in Finland.