

# HIEN NGUYEN

## Software Engineer

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📍 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 projects

📅 2020 📍 Helsinki, FI

Doing datastructures and algorithms challenges daily

- Doing bachelor thesis about Dynamic programming algorithms
- Problems solving with linked list, stack, queue, heap, graph, tree, hash, vector | Design and analyse computer science algorithms: BST, DFS, DFS, Divide and Conquer, DP, Recursion, Greedy, NP, Dynamic distributed algorithm | Optimization

### 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

GPA

4.7 / 5

[Haaga-Helia University  
of Applied Sciences](#)

📅 2016

## TRAINING / COURSES

[Distributed system](#)

[Design & Analysis of Datastructure and Algorithms](#)

[Java concurrency & multithreading | JVM tuning](#)

[Google Cloud Platform training certificate](#)

## ACHIEVEMENTS



**StupidHack x Junction**

"SayBark" - winner of one sector

## 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 intergraton 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

## 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.

## 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