Agnes Meri
Software engineer
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GitHub |LinkedIn | Portfolio | Codingame | HackerRank

Introduction

I fell in love with programming during my university years. My field of study was quantitative ecology, building mathematical models and evaluating our results with various statistical tools. I enjoy problem solving very much, I find it challenging and exciting.

IT Skills

Programming languages and tools: JS + ES6, NodeJS, ReactJS (React Hooks), Redux, Redux Toolkit, npm, ExpressJS, Webpack, Bootstrap, HTML5, CSS3,
ESLint, TypeScript, Jest, Mocha, Chai, Cypress,
Python, Mathematica, R
Programming principles: Domain Driven Design, Functional Programming, Object Oriented Programming, Test Driven Development
Cloud computing: AWS, Heroku, Bamboo ,MongoDB Atlas
Data: MongoDB, DynamoDB, SQL, PostgreSQL
VCS: Git, GitHub
Tools: JIRA, Trello, Miro, Slack
Science: Mathematical modeling, Cellular automata, Statistics

Professional experience

01/2020 - Click Travel Ltd (UK) – **Software engineer (Remote)**
Click Travel is a UK company that operates a large-scale business travel booking platform, an e-commerce service where the various business domains are implemented driven by the principles of *Domain Driven Design* and *functional programming*.

From back-end microservices to front-end development I worked on many parts of our platform.

Projects:
- Click Travel client migration – greenfield project:
    - planning, research, proposal writing,
    - leading technology debate discussions
    - implementing code migration from Angular to ReactJS
- SSO R&D:
    - single-sign-on research,
    - implementation, AWS State Machine: Step Functions
- Internal Notes: an intra-net system to help agents with bookings management (with user impersonation)
    - back-end development
    - cloudfront configuration
    - writing tests
- ClickCare filter: integrate hotel Covid safety rating APIs to support accommodation booking in the company engine
    - back-end, front-end development

Day to day tasks:
- writing unit, service, UI and end-to-end tests

- basic AWS management: DynamoDB, Lambda, CloudFormation, CloudWatch, Canary, API Gateway, S3
- general back-end development: microservices, NodeJS, TypeScript
- general front-end development (ReactJS, TypeScript): components, reducers (redux, redux-toolkit), component styling
- CI: Bamboo
- running standup-, retrospective, feature-discussion meetings, paired programming sessions

10/2017 - 01/2020
Fractalometry Ltd (UK) – **Software engineer (Remote)**

Projects:
- company accounting platform development (NodeJS, Bootstrap, ExpressJS, mongoDb)
- small web applications
- small tools for integrations and data migration

10/2012 - 01/2020
Moravia IT Hungary Ltd, later Locwell Hungary Ltd
Language translator and proofreader
Software translations, Oracle Fusion and related products

2010 - 2013
University of Szeged - **Demonstrator (Szeged)**
Teaching Informatics, Biomathematics, Biostatistics

Education

2010- 2013
Ph.D. studies at the Department of Ecology and the Department of Medical Physics and Informatics at University of Szeged - Unfinished

2005- 2010
Studies in Environmental Science, Quantitative Ecology at University of Szeged - *Master's degree* in **Conservation biology**

Related publications

Méri Á., Karsai J. (2013) - Modelling the spatial and temporal dispersal of Cuscuta europea - Polish Journal of Ecology

Méri, Á. ; Körmöczi, L. (2010): Temporal Pattern Analysis - a new algorithm for detecting patch size in plant populations. - Tiscia 38,3-9.