PETER HALLUM

EXPERIENCED JAVA & SPRING BOOT DEVELOPER
SELF-PROCLAIMED SOFTWARE CRAFTSMAN
FULL-STACK & CLOUD NATIVE EXPERTISE

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SKILLS

PROGRAMMING & FRAMEWORKS
Java 17
Spring framework/Spring Boot
TypeScript
Angular 2+
Groovy & Grails

DATA
Oracle, PL/SQL
PostgreSQL
Liquibase
Redis
Elasticsearch

TESTING
JUnit
Cucumber
Spock
Selenium
Jacoco
SonarQube, lint
Test Driven Development
Behavior Driven Development

MISCELLANEOUS
Git
GitHub Actions
CircleCI, Jenkins
Docker
Kubernetes
Google Cloud, AWS, Heroku
Bash, Z shell
Academia, research & writing
Agile Software Development, SCRUM
HCI, UX

EXPERIENCE

CONSULTANT—SOFTWARE DEVELOPER 2021 May—current

Nine, Copenhagen, Denmark

» Working directly with client *Danish Business Authority* on covid-19 compensation payout and regulations thereof
» Implemented using **Spring Boot, Java** with additional layer of **Groovy/Grails-ecology**
» Since the business area has a high level of complexity, a careful focus is placed on **SOLID** design principles resulting in generic and loosely coupled system architecture which can be extended upon as new business needs arise or definitions change
» **RESTful-based microservice architecture**
» Implementation of anti-fraud measures by highlight cases with suspicious activity/information
» Focus on **domain driven design** by obtaining a clear understanding of complex business logic and needs
» High quality tests using **Spock** (unit & integration) & **Selenium**
» Interviewing and assessing new potential employees

SOFTWARE DEVELOPER 2019 July—2021 April

QIMA, Shenzhen, China

» Developed state-of-the-art SaaS platform for factory inspection and audit management using modern technologies and focus on high code quality
» Full stack developer—**Spring Boot** API, **Angular** front-end (**Java** & **TypeScript** respectively)
» Database schema management using **Liquibase** on **PostgreSQL** database
» Implementation of high performance sortable, filterable data-tables using **Elasticsearch**
» Fully embracing agile development in a small team of five developers, a QA, PM and UX'er
» High quality tests using **JUnit, Cucumber** & **Selenium**
» Containerzed and orchestrated using **Kubernetes** on **GKE**
» Implemented tailored CI/CD pipeline using **CircleCI** and **Github Actions**
» Working out of our offices in Shenzhen, China and Lille, France

CONSULTANT—SOFTWARE DEVELOPER 2018 September—2019 June

Netcompany, Aarhus, Denmark

» Working directly with clients to design and develop a government pension platform for more than a million citizens
» Implemented using **Spring Boot, Java** and an **Oracle PL/SQL** database
» Focus on design and implementation of business-logic heavy processes and batch jobs related to citizens' pension-cases
» Regular meetings with clients and conduction of workshops to define solutions and business logic
» Business trips and exchanges with our other company office in e.g. Warsaw, Poland

STUDENT DEVELOPER 2013 December—2014 December

BizDoc, Aarhus, Denmark

» C#-based student job
» Developed a web application that helps compose online stored legal documents

EDUCATION

M.Sc, IT-PRODUCT-DEVELOPMENT 2016 August—2018 June
Aarhus Universitet, Aarhus, Denmark

» Faculty of Computer Science
» Master's thesis on heart rate data and its qualities in embedded technology
» www.peterhallum.dk/projects/heart-tale

MASTER'S EXCHANGE PROGRAMME 2017 July—2017 December
University of Queensland, Brisbane, Australia

EUROPEAN INNOVATION ACADEMY Summer 2016
UC Berkeley, Nice, France

B.Sc, INFORMATION TECHNOLOGY 2012 August—2015 June
Aarhus Universitet, Aarhus, Denmark

» Faculty of Computer Science

LANGUAGE

Danish—native
English—full professional proficiency
Mandarin—elementary proficiency
Norwegian—working proficiency
Swedish—working proficiency