

Jens Kristian Geyti

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I am a versatile research software engineer, with an expertise in data-intensive systems. Working as a software engineer in academia, I have extensive experience with quickly turning complex requirements and ideas into rough prototypes – and from prototypes into stable, high-performing, distributed solutions. As a full-stack developer, I take personal pride in automating and streamlining deployment and DevOps processes to keep every part of a system documented, tested, and updated. I'm very solution-oriented, which is why it's important to me to keep up to date with - and be proficient in - a wide range of programming languages and libraries. This extends to a personal interest in all things computing – for instance, I have recently released an Android App with 100k+ installations, and I'm currently developing a video streaming system in Elixir, an exciting new Erlang-based language.

I have a strong educational background, with an MSc with distinction from University College London, and a team/project-based BSc in Software Engineering from AAU, Denmark. My master's thesis focused on cutting edge Web Science & Big Data concepts, and was awarded "Best Individual Project" by SAS.

I enjoy engaging in professional discussion, and relish environments that allows me to learn from my colleagues as well as contribute to collaborative problem solving and debate. And while I'm a social person who thrives in teams, I also have years of experience contracting and working remotely.

EXPERTISE

Python
Java
Javascript (node.js)
Hadoop
PostgreSQL
Web Dev.
Shell Scripting
Linux Server Mgmt.
Docker

EXPERIENCE

Amazon Web Services
Google App Engine
Android
Scala
Spark
Kafka
RabbitMQ
Neo4J
Elixir
PHP

FOCUS OF INTEREST

Data Mining
Service Orchestration
Distributed Systems
Data Visualisations

LANGUAGES

Danish (Native)
English (Advanced)

PERSONAL INTERESTS

Football & Squash
Indie Games
Arduinos, Pls, and LEDs
Formula 1
Craft beer

WORK EXPERIENCE

2013 – present: Lead Web Services Software Engineer, UCL.

Managing and developing news, social media and health data pipelines and workflows, to facilitate data-intensive ad-hoc research experiments. Full stack development, ranging from cloud provisioning, to data processing in Spark and Hadoop, to presenting data through websites and RESTful APIs.

HADOOP PYTHON JAVA NODE.JS REST ANGULARJS DOCKER AWS
POSTGRES+POSTGIS SPARK KAFKA SCALA

2012 – 2013: Contractor, TherMIT (wireless temperature monitoring).

Responsible for managing and extending web & mobile portals, sensor data collection systems, and mission-critical data visualization, monitoring, alarm and logging systems.

C# .NET MVC JQUERY MSSQL RAVENDB AWS RABBITMQ ANDROID PHONEGAP

2012 – 2013: Freelancer.

Jobs range from systems for OCRing, indexing, and presenting previously illegal WW2 documents, to developing a map-based aggregator of pub and bar coupons found on Facebook.

PHP ZEND MYSQL LUCENE JQUERY PHONEGAP FACEBOOK-API GIS (LEAFLET, OPENSTREETMAP)

2010 – 2011: Student developer at Bellevue (bellevuebox.dk).

Developing backend booking and voucher registration systems and backend administration systems. Lead developer on multiple projects.

PHP MYSQL CODEIGNITER HTML CSS JQUERY C#

2007 – 2007: Fire and Rescue Lieutenant, DEMA.

Led teams of 5 on emergency responses. Taught "fire and rescue" to conscripts.

EDUCATION

2012 – 2013: MSc Web Science and Big Data Analytics, UCL

Thesis: Diversifying Search Results using Wikipedia Anchors (links).

Focus: Large scale web indexing using Hadoop, state-of-the-art web search algorithms, graph theory.

Award: 2012/13 MSc WSBDA Best Individual Project, sponsored by SAS.

Grades: Distinction (thesis: 80, total average: 77).

2009 – 2011: BSc Software Engineering, Aalborg University, Denmark

Problem Based Learning: During every semester, we would develop a large piece of software in teams of 4-6 students. This was backed by multiple courses on group dynamics and software development processes etc.

Grades: Dissertation: 12 (of 12), total average: 9.8 (of 12).