

Thomas Bonderup

Software Developer | Aalborg, Denmark
+4522393491 | tb@tbcoding.dk | LinkedIn | GitHub | Blog

OBJECTIVE

I am currently looking for a freelance or full-time permanent software developer position in a customer focused team, that values learning and fundamental knowledge in computer science to invent new products or services.

EXPERIENCE

- Software Developer** Apr 2024 – Present
Dencrypt A/S
Aalborg, Denmark
- Full-Stack Software Developer at Dencrypt, which specialize in cryptography and secure communication.
- Software Developer** Aug 2022 – Jan 2024
Telenor A/S
Aalborg, Denmark
- Software Developer in an application DevOps datalake team at Telenor Denmark, helping the company tackle complex big data problems, and building large scale analytics platforms to provide insights and cost savings across the company.
 - Responsible for data ingestion of several data sources with tasks such as system integration, SQL, operations, stakeholder management, code reviews, code standard, build and release management, design of data ingest.
- Software Development Engineer** Sep 2018 – Dec 2021
TB Coding
Odense, Denmark
- Freelance software development engineering / IT consulting for small business and enterprise, specializing in cloud infrastructure for real-time event stream processing platforms.
 - Responsible for interviewing and managing a software development intern.
- Web Developer** Aug 2015 – Sep 2018
TB Coding
Aalborg, Denmark
- Responsible for building and maintaining a customer portfolio of 10+ small to medium sized websites, e-commerce and subscription stores to help customers grow their business.
 - Responsible for interviewing and managing a web developer intern, which resulted in 1 month earlier launch of a new community forum website to engage customers and answer questions.
 - Responsible for building and growing a technology portfolio of affiliate marketing websites that resulted in over 600.000,00 (DKK) in generated leads for customer brands with an average conversion rate of 13%.
- Chief Technology Officer** Oct 2016 – Apr 2018
Vinoli ApS - acquired by Vinfarmen ApS
Aalborg, Denmark
- Designer and implementor of Vinoli's automatic subscription billing system that reduced time spent on customer service and improved customer retention rate.
 - Designer and implementor of Vinoli's wine subscription gift product feature, that made it possible for customers to give a wine subscription as a gift. The product increased our cash flow in the early startup phase, that resulted in an acceleration in our core subscription business.

EDUCATION

- Roskilde University** Feb 2020 – Jan 2022
Master of Science (MSc) in Computer Science and Informatics.
Roskilde, Denmark
- GPA: 9.1 (Danish 7-point grading scale)
- University College Lillebaelt** Sep 2018 – Jan 2020
Software Development (Bachelor)
Odense, Denmark
- GPA: 10.125 (Danish 7-point grading scale)
- University College of Northern Denmark** Aug 2013 – Jan 2016
Computer Science (AP)
Aalborg, Denmark
- GPA: 10.25 (Danish 7-point grading scale)

PROJECTS

Full-Stack Jobs Board Platform

Nov 2023 – Apr 2024

- Developing a full-stack jobs board platform with Stripe credit card integration. Tech stack: Scala 3 with typelevel stack, Cats, Cats Effect, Doobie, Http4s, ScalaJS and Tyrian frontend.

Digital Twin Data Modeling with IoT for Peak-Shaving in Virtual Power Plants

Jun 2021 – Aug 2022

- Designer and implementor of real-time digital twin dashboards for energy asset management and monitoring to get insight into fleet health KPIs, such as number of devices connected and total available energy capacity.
- Designer and implementor of data platform with Apache Kafka and actor model programming in Scala and Akka for ingesting and processing streaming telemetry from simulated battery storage devices, weather data and power market data.
- Designer and implementor of algorithms for electricity price forecasting and battery scheduling.

Full-Stack Movie Application in ASP.NET

Aug 2020 – Jan 2021

- Worked in a 4 person team creating a single-page application (SPA) movie application to search, bookmark and rate movies. Tech stack: PostgreSQL, PL/pgSQL, ASP.NET, C#, JavaScript, Knockout, HTML, CSS, Bootstrap.

Software Architectural Description - ReliBond High Voltage Power Cable Machine

Feb 2020 – Jun 2020

- Worked in a 5 person team creating a software architectural description for IoT use-cases for a high voltage power cable machine built by danish startup company ReliBond in the sector for green energy.

TECHNICAL SKILLS

Languages: Scala, Java, C, C++, C#, SQL, Python, PHP, JavaScript, HTML, CSS.

Technologies: Hadoop, Spark, Spark Streaming, Apache Kafka, Confluent Platform, Akka, Alpakka, Akka Streams, Typelevel Stack (Cats, Cats Effect, Doobie, FS2, Http4s, Circe), Cloudera, Amazon Web Services, Google Cloud, BigQuery, Spring Boot, React, TypeScript, Prometheus, Grafana, Elasticsearch, Kibana, Cassandra, PostgreSQL, MongoDB, MySQL, TensorFlow.

Developer Tools: Linux, Windows, Bash Scripting, Zsh, Git, Docker, Kubernetes, Jenkins, Gradle, sbt, IntelliJ, VS Code, Emacs, Jira, PagerDuty.

PROFESSIONAL SKILLS

Effective communication, team player, strong problem solver, good at working independently.

INTEREST

Handball, fitness, running, backpacking, painting, reading, wine, competitive programming.

LANGUAGES

Danish: Native or bilingual proficiency.

English: Full professional proficiency.

German: Limited working proficiency.

SUMMARY

As a software developer with a Master of Science (MSc) in Computer Science and Informatics, I help companies create business value by solving hard problems and leveraging computer systems at scale.

I have extensive knowledge about real-time event stream processing platforms, their ecosystems and how they are built. Combined with a thorough understanding of both software and hardware including data protection, data aggregation and data analytics that I use to help customers build and grow their businesses.

I am a computer architect (INTJ-T) with a thirst for knowledge and my strategy is constant improvement. As a former professional handball player, I am hard-working, goal-oriented, and ambitious, as well as a good team player. I have a strong work ethic and the ability to execute under pressure in high performing teams.

I work primarily on project basis both on-site at the customer location or remote work. I am willing to interview candidates, be on-call and relocate for an extended period if it's needed for the project.