Elisabeth Lennert

Junior Software Engineer (BEng, Web Technology)

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Profile

37 years old, graduated January 2025 from Aarhus University with a specialization in Web Technology. I am a passionate and action-oriented developer with hands-on experience in **full-stack web development**, **hardware integration** (RFID, QR, barcodes, IoT), and **API-driven solutions**. I build scalable systems that combine robust back-end logic with intuitive front-end UX, and I thrive in high-tempo environments with close collaboration and clear deliverables. I enjoy new challenges and working with complex systems.
Privately, I am the mother of a 13-year-old girl and a 12-year-old boy. I love tinkering, exploring how things work in general — which also means I repair electronics in my spare time.

Technical Skills

Front-end: React, Next.js, Node.js, Angular, Android

Back-end: Docker, Microsoft SQL Server, Firebase/Firestore, Azure (App Services, Storage), MongoDB

Agile/SCRUM: Team collaboration, Git, bash, UX

Languages: JavaScript, TypeScript, C#, C/C++, Python, SQL, XML, Kotlin, LaTeX, Assembly

DevOps: Azure Services, Kubernetes, Grafana, CI/CD, testing

Scanning & I/O: RFID, QR, barcodes

Machine Learning & AI: Python, TensorFlow, scikit-learn, NumPy, Node.js

Frameworks & Tools: WPF, .NET, REST, microservices, Unity (game dev), Windows, iOS, app/web development

Education

Aarhus University *2021–2025*
Bachelor of Engineering (**BEng**) in **Software Technology**, specialization in **Web Technology**. Electives include IT Security, Machine Learning, Web Architecture & Orchestration, Mobile App Development, and UX Design.

Aalborg University *2017–2020*
Bachelor of Engineering in **Chemistry & Biotechnology** *(completed 5 semesters; transferred to Software)*.

Aarhus HF & VUC *2014–2017*
Upper secondary education – Math A, BioA, ChemA, physicsB (Science track).

Experience

Software Developer – Front-end, *BILLETTEN A/S, Aarhus* *Mar 2025 – Jul 2025*

- Built a **cross-platform PWA** in React/TypeScript for **RFID, QR and barcode** scanning for Carnival 2025.

- Developed full-stack components for internal systems with a focus on I/O workflows for Grøn Koncert's internal communication platform.

- Handled various front-end tasks in internal systems (bug fixes, UI improvements, etc.).

Engineering Intern, *Vestas A/S, Aarhus N* *Jul 2023 – Dec 2023*

- Designed an internal **API solution** in Python/SQL to look up turbine faults and parameters for wind turbine service.

- Developed and tested **WPF** UI components for *Converter Wall* systems.

Chief Communications Officer (CCO), *Brokerprint ApS*   *Mar 2011 – Sep 2014*

- Responsible for customer service and communication between clients and print houses; handled **B2B/B2C** sales and lead generation.

- Contributed to **product development** and maintenance of the company website.

SEO & Content Creator, *Redeluxe ApS*   *Apr 2010 – Feb 2012*

- Worked with **SEO**, **link building**, affiliate campaigns, and Google AdWords.

Customer Service & Technical Support, *Canal Digital*   *Apr 2009 – Dec 2011*

- Started in general customer service (phone); advanced to the retention team and later to **technical support**.

- Used customer psychology and the *Minerva* model for customer retention.

Brand Promoter & Model, *CULT*   *Aug 2006 – Oct 2010*

- Promoted the brand at events, campaigns and festivals; responsible for sales and customer engagement.

Waitress / Cashier, *Soya 2 Sushi Restaurant & Lemon Pizzeria*   *Feb 2005 – Sep 2009*

- Customer service, cashier operations, serving and hygiene.

- Order handling, customer support and payment processing.

Sales Assistant, *Toys'R'Us*   *Mar 2004 – Oct 2007*

- Stocking, merchandising and store layout.

- Participated in sales-driven activities and campaigns.

Selected softwareprojects

Event Scanning PWA – BILLETTEN, Carnival 2025
Tech: React, TypeScript, camera/RFID scanning, REST, CI/CD
Description: PWA for ticket/wristband scanning (RFID/QR/barcode) on mobile devices and Android scanners.
Role: Front-end developer; integration with back-end APIs; UX improvements.

SafeByte – Bachelor Project   GitHub
Tech: React (PWA), Firebase (Auth/RTDB/Storage), barcode scanning, Docker
Description: Full-stack food scanner for people with allergies with real-time lookups and allergen warnings.
Role: Architecture, front-end, Firebase integration and scanning.

TimeTracking App   4th semester
Tech: C#, React, WPF, Docker, CI/CD
Description: Planning and analysis of study time.
Role: Front-end architecture and CI/CD setup.

Automatic Pet Feeder   3rd semester
Tech: C, C++, PSoC (microcontroller), Raspberry Pi, React
Description: IoT system where the pet can request a treat via a button; integrates microcontroller, Raspberry Pi and web UI.
Role: Front-end and hardware integration.

Smart Home Automation   2nd semester
Tech: C++, React, WPF
Description: Smart-home control of lights, doors/locks and blinds.
Role: User interface, lock hardware/software, and Scrum Master in agile development.

Languages

Danish: Native   **English:** Fluent   **French:** Beginner   **Kalaallisut (Greenlandic):** Beginner

References available upon request.

Elisabeth Lennert

Junior softwareteknologi-diplomingeniør

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🌐 Online cv

Profil

37 år, uddannet januar 2025 fra Aarhus Universitet med speciale i webteknologi. Jeg er en passioneret og handlekraftig udvikler med praktisk erfaring i **full-stack webudvikling**, **hardware-integration** (RFID, QR, stregkoder, IoT) og **API-drevne løsninger**. Jeg bygger skalerbare systemer, der kombinerer robust backend-logik med en intuitiv frontend-UX, og trives i miljøer med højt tempo, tæt samarbejde og klare leverancer. Jeg elsker nye udfordringer og trives i hverdagen med komplekse systemer.

Privat er jeg mor til en pige på 13 og en dreng på 12 år. Jeg udvikler gerne egne projekter i fritiden og elsker at undersøge, hvordan ting virker generelt – hvilket har udmøntet sig i, at jeg også reparerer elektronik i min fritid.

Teknologiske kompetencer

</> **Frontend:** React, Next.js, Node.js, Angular, Android

🎚 **Backend:** Docker, Microsoft SQL Server, Firebase/-Firestore, Azure (App Services, Storage), MongoDB

👥 **SCRUM:** Agilt samarbejde, Git, bash & UX

🌐 **Sprog:** JavaScript, TypeScript, C#, C/C++, Python, SQL, XML, Kotlin, LaTeX, Assembly

☁ **DevOps:** Azure Services, Kubernetes, Grafana, CI/CD, test

📱 **Scanning & I/O:** RFID, QR, stregkoder

🖳 **Machine Learning & AI:** Python, TensorFlow, scikit-learn, NumPy, Node.js

🎚 **Frameworks & værktøjer:** WPF, .NET, REST, microservices, Unity (game dev), Windows, iOS, app/webudvikling

Uddannelse

Aarhus Universitet *2021–2025*
Diplomingeniør i **Softwareteknologi**, specialisering i **Webteknologi**. Valgfag: bl.a. IT-sikkerhed, Machine Learning, Web-arkitektur & -orkestrering, mobilapp-udvikling, UX Design.

Aalborg Universitet *2017–2020*
Diplomingeniør i **Kemi & Bioteknologi** (gennemførte 5 semestre; skiftede derefter til software).

Århus HF & VUC *2014–2017*
Gymnasial eksamen – matA, bioA, kemiA, fysB, samfA

Erfaring

Softwareudvikler – Frontend, *BILLETTEN A/S, Aarhus* *Mar 2025 – Jul 2025*

- Udviklede en **cross-platform PWA** i React/TypeScript til scanning af **RFID, QR og stregkoder** for Karneval 2025.
- Byggede full-stack komponenter til interne systemer med fokus på I/O-workflows for Grøn Koncerts interne kommunikationsplatform.
- Varetog diverse frontend-opgaver i virksomhedens interne systemer (bug-fixes, UI-forbedringer m.m.).

Ingeniørpraktikant, *Vestas A/S, Aarhus N* *Jul 2023 – Dec 2023*

- Designede en intern **API-løsning** i Python/SQL til opslag af turbinefejl og parametre ved service af vindmøller.
- Udviklede og testede **WPF**-baserede UI-komponenter til *Converter Wall*-systemer.

Kommunikationschef (CCO), *Brokerprint ApS* *Mar 2011 – Sep 2014*

- Ansvarlig for kundeservice og kommunikation mellem kunder og trykkerier; stod for **B2B/B2C**-salg og lead-generering.

- Deltog i **produktudvikling** og vedligeholdelse af virksomhedens hjemmeside.

SEO & Content Creator, *Redeluxe ApS*   *Apr 2010 – Feb 2012*

- Arbejdede med **SEO**, **link-building**, affiliate-kampagner og Google AdWords.

Kundeservice & Teknisk Support, *Canal Digital*   *Apr 2009 – Dec 2011*

- Startede i almindelig kundeservice (telefonisk); avancerede til opsigelsesafdelingen og siden til **teknisk support**.

- Benyttede kundepsykologi og *Minerva*-modellen til kunde-fastholdelse.

Brand Promoter & Model, *CULT*   *Aug 2006 – Oct 2010*

- Promoverede brandet ved events, reklamefremstød og festivaler; stod for salg og kundehåndtering.

Tjener / Kassemedarbejder, *Soya 2 Sushi Restaurant & Lemon Pizzeria*   *Feb 2005 – Sep 2009*

- Kundebetjening, kassehåndtering, servering og sikring af hygiejne.

- Ordrehåndtering, kundeservice og betalingsafslutning.

Salgsassistent, *Toys'R'Us*   *Mar 2004 – Oct 2007*

- Opfyldning af varer, vareudstilling og butiksindretning.

- Deltog i salgsfremmende aktiviteter og kampagner.

Udvalgte projekter

SafeByte Bachelorprojekt   GitHub
Teknologier: React (PWA), Firebase (Auth/RTDB/Storage), stregkodescanning, Docker
Beskrivelse: Fuldstack fødevare-scanner til allergikere med real-time opslag og advarsler om allergener.
Min rolle: arkitektur, frontend, integration til Firebase og scanning.

Event Scanning PWA BILLETTEN, Karneval 2025
Teknologier: React, TypeScript, kamera-/RFID-scanning, REST, CI/CD
Beskrivelse: PWA til billet-/armbåndsscanning (RFID/QR/stregkode) på mobile enheder og Android-scannere.
Min rolle: frontend-udvikler; integration af app med backend-API'er; UX-forbedringer.

TimeTracking App   4. semester
Teknologier: C#, React, WPF, Docker, CI/CD
Beskrivelse: Planlægning og analyse af tidsforbrug (studietid).
Min rolle: design og udvikling af frontend-arkitektur samt opsætning af CI/CD.

Automatisk foderdispenser til kæledyr   3. semester
Teknologier: C, C++, PSoC (mikrokontroller), Raspberry Pi, React
Beskrivelse: IoT-system hvor kæledyret kan anmode om en godbid via en knap; systemet integrerer mellem microcontroller, Raspberry Pi og web-UI.
Min rolle: frontend, og hw integration

SmartHome Automation   2. semester
Teknologier: C++, React, WPF
Beskrivelse: Smart-home styring af lys, døre/låse og gardiner.
Min rolle: brugergrænseflade, låse-hardware/software samt scrum master i agile metodeudvikling.

Sprog

Dansk: Modersmål   **Engelsk:** Flydende   **Fransk:** Begynder   **Kalaallisut (grønlandsk):** Begynder

Referencer haves og gives gerne efter aftale