JOSEFINA NORD

Frontend developer & UX/UI designer

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👤 Profile

I am a driven and curious person with many years of experience in various roles. I studied computer science and network engineering between 2018–2025, and outside of my studies I often work on personal projects and ideas in my spare time.

💡 Expertise

- Web Development
- UX/UI design
- Graphic Design
- Backend Development
- Frontend Development
- Network & data communication

🌐 Languages

- Swedish, native
- English, fluent
- Spanish, basic

💼 Experience

2023 – 2025 — HiQ Mälardalen, IT consultant, Västerås

Frontend developer at Hitachi Energy

- At Hitachi Energy, I work as a frontend developer and UI designer focused on HMI for the SCADA system MicroSCADA X.
- I develop user interfaces in JavaScript and am responsible for designing intuitive and user-friendly interfaces according to company design principles.
- The role also includes UX design in Figma, documentation, and interface adaptation for advanced energy management systems.

R&D · JavaScript · XML · Accessibility · WCAG · HMI
Design systems · Documentation · SCADA · Figma

UX / UI designer at SAAB Aeronautics

- At Saab, I worked as lead UX/UI designer, responsible for independently evaluating and improving the user experience and interface design for new test platforms.
- I led the work on UX research, design decisions, and documentation for visual guidelines.
- The assignment also included icon creation and logo design to ensure a consistent and intuitive visual identity.

Accessibility · WCAG · Design systems · Documentation · Workshop
Data Collection · User Testing · Adobe XD

2022 – 2023 — Prevas AB, IT consultant, Västerås

Software developer at Sandvik Coromant

- At Sandvik Coromant (Gimo), I worked as a software developer focusing on the design and development of graphical user interfaces for robotic cells.
- I contributed to the development of a web service using .NET and SQL Server and was responsible for UI design and iconography.

C# .NET · SQL · Web Services · API · UI design · WPF
WinForms · MVVM

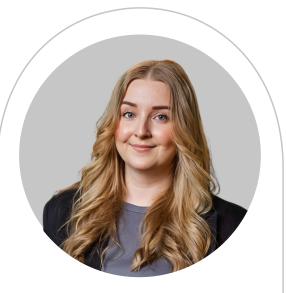### 2020 – 2023 — Strevent AB, web developer, Stockholm

- As a web developer, I combined programming and SEO optimization of Strevent's website with graphic design and UI creation in Adobe Creative Suite.

HTML · CSS · JavaScript · Adobe CC · SEO

2014 – 2021 — Other experience

I have worked in warehouse/logistics, retail, sales, cafés and restaurants, and as a personal assistant and in municipal/county services during several summers. These roles strengthened my service mindset, sense of responsibility, collaboration skills, and ability to work in a fast-paced environment. I have experience in customer service, cashier work, picking and packing, serving, and practical care work

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Tech Stack

JavaScript · TypeScript · HTML · CSS · XML · C# · Python · SQL · PHP · Bash · Java · React.js · .NET · WPF · WinForms · MVVM · Tailwind CSS · VS Code · Docker · SQL Server · MySQL · Oracle · Microservices · Windows · Linux · Wireshark · Debugging

Tools

Azure DevOps · Git · GitHub · FigJam · Figma (prototypes, components, design systems) · Adobe XD · Adobe Illustrator · Visual Studio Code · .NET · Version control · Postman · Microsoft Office · Container technologies

Methods

UX research (interviews, surveys, observations) · User Testing · Prototyping (low/high-fidelity) · Wireframing · Design sprints & workshops · Design systems · User flows & journeys · Design Thinking · Accessibility testing · Accessibility · WCAG · Clean Code · Agile · Scrum · SAFe · Kanban · Lean & Six Sigma · Usability

📖 Education

2020 - 2025

Mälardalen University

Bachelor of Science in Network Engineering 180hp, 2025
- A three-year engineering program focused on the design, operation, and security of complex computer networks and server services.
- The program combined theory and practice in areas such as data communication, operating systems (Linux), Python programming, cloud services, and embedded systems communication.
- Through project work, skills were developed in network administration, monitoring, and security.

Higher Education Diploma in Computer Science 120hp, 2022
- A two-year technical program focused on the design, operation, and security of computer networks.
- Developed theoretical and practical skills in routing, switching, wireless networks, cloud services, and network security.
- Worked with Python, Linux, and embedded systems communication.

2023 - 2024

Linköping University, courses

Basics of AI (2 hp)
- This web-based distance course introduces artificial intelligence to a broad audience.

Cybersecurity (3 hp)
- This web-based distance course aims to increase participants' awareness of cyber threats, risk management, and how to build a security culture within organizations.

2023 - 2023

Luleå University of Technology, courses

Web Development I - Introduction (7,5 hp)
- The course covers analyzing and designing websites with a focus on usability and design, legislation, HTML theory and practice, and layout adaptation using style sheets.

Graphical User Interfaces (7,5 hp)
- The course includes principles of interaction design, usability, and tools and techniques for developing graphical user interfaces.

2018 - 2020

Halmstad University, courses

Computer Science & Electrical Engineering
- Two-year engineering program focused on computer engineering, programming, and electrical engineering.
- Included courses in mathematics, algorithms & data structures, Java programming, databases, & sensor systems.

Project Management & Project Work (7,5 hp)
- The course provided theoretical and practical knowledge on initiating and managing projects, focusing on goal-setting, planning, organization, and leadership.
- It covered various project phases, group development, conflict and relationship management, and developing the ability to reflect on the choice of tools and methods.

A complete list of degrees, courses & grades is provided upon request.

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📝 Cover Letter

Hi,

My name is Josefina Nord and I have broad experience in frontend and backend development, UX/UI design, and web and software development. By combining technical expertise with creative problem-solving, I've delivered intuitive and user-friendly solutions that support business goals and enhance user experience. I particularly enjoy roles where I can switch between design and development, with user needs at the core of the technical solution.

My studies at Mälardalen University have given me solid knowledge in computer science, embedded systems, and data communication, with a particular focus on embedded development for real-time systems. During my studies, I developed a strong understanding of how complex systems communicate, and gained hands-on experience working with JavaScript, C#, Python, network stacks, and low-level programming. My thesis project on integrating Time-Sensitive Networking (TSN) with 5G for remote vehicle control gave me practical experience in setting up and programming single-board computers, working with network protocols, and achieving precise time synchronization between systems. The project required both hardware-level debugging and understanding of time-critical systems, as well as communication between multiple nodes over a private 5G network.

In previous roles – including at Hitachi Energy, Saab Aeronautics, and Sandvik Coromant – I've led projects requiring close collaboration with developers, product owners, and other stakeholders. I've designed and developed user interfaces for complex systems such as test platforms and HMIs, optimized SQL databases, and built applications in .NET environments. These roles have given me practical experience in both modern frameworks like React and traditional desktop environments like WPF, and taught me the importance of writing maintainable code based on principles like Clean Code and KISS, ensuring long-term sustainable and efficient solutions.

I have also worked with UI/UX design in a variety of environments, taking responsibility for prototypes, user testing, and visual design using tools like Figma, Adobe XD, Illustrator, and Photoshop. I have a keen eye for detail and always aim to create interfaces that are not only technically sound but also thoughtful, accessible, and visually appealing. My experience ranges from creating icons and logos to designing complete design systems and implementing accessibility adaptations in accordance with laws, regulations, standards, and guidelines.

I'm especially interested in working at the intersection of technology and user experience, and I look forward to contributing to your team by creating innovative solutions that meet your needs. I am committed, collaborative, and curious, and see every project as an opportunity to learn something new – both technically and personally.

I look forward to a conversation where we can discuss how my experience and interests can contribute to your projects and long-term goals.

Best regards,
Josefina Nord

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