

Curriculum Vitae

Henrik Schulze Nilsson

Contracting Frontend Engineer



Software Engineer with 10 years' work experience as a consultant in web technologies and agile development.

I'm excited to join UI development teams where I can bring my broad experience to help them build great UIs. I'm also very friendly, and according to some people "quite fun to work with".

Driven by curiosity and grit, I have a solid understanding of modern agile web development. You should cont(r)act me if you need work done in React or anything frontend using JavaScript, HTML and CSS. I hold a M.Sc. in Software Engineering from Chalmers University of Technology.

Engagements via hsnilsson AB

2024-09 – 2025-02

Öland Roots homepage (pro-bono)

Frontend Developer. Creative pro-bono project where I investigated how to host a highly trafficked site with up to 10000 visitors/month using only completely free solutions. Techstack is currently [Contentful](#), [Next.js](#) with TypeScript, CSS-modules and hosted on Cloudflare.

2020-09 – 2024-03

Volvo Cars (via Vinnter)

Fullstack Developer. Part of a dream team of five highly skilled developers who developed Volvo Cars' [developer portal](#) and [design portal](#). We developed these sites directly in the volvocars.com monorepo which meant we got to work and share knowledge daily with other talented developers using the same tech stack.

The techstack included [Next.js](#) with TypeScript and Volvo's own component library [vcc-ui](#) (later replaced by [Volvo Cars design system](#)). We built our own markdown CMS for the developer site, and a human friendly [Notion](#) CMS for the design site.

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2020-03 – 2020-04

Stena Recycling (via Humblebee)

Fullstack Developer. Microservices in Node.js and Angular. Assignment ended when most of the team got laid off due to Corona.

2019-11 – 2020-03

[NDA] (via DQC, via Humblebee)

Frontend Developer. Large React project for an even larger fintech company. JavaScript, React, Redux, Azure devops.

2019-10 – 2019-11

Surgical Science (via Humblebee)

Frontend Developer. A five week gig to finalize a dashboard webapp for administration of courses in minimally invasive surgery. Delivery of features and fixes from day one in this fun and successful project built with React, styled components, Formik and Apollo GraphQL.

2019-05 – 2019-10

[Hobby projects]

“Holiday Frontend Developer”. Long holiday (too long), but it gave time to read up on many web technologies. I also built hsnilsson.com, and mpfextractor.netlify.com where the latter is a small piece of engineering which extracts depth maps from images taken in portrait mode.

2018-11 - 2019-05

Volvo Trucks (via Volvo Group IT)

Frontend Developer. Development of a new micro frontend as the first in a row of interfaces for a set of micro services. I joined an agile team working in Scrum with modern technologies such as Angular 7 with Angular Material GraphQL, and .NET Core. The monolith strangler pattern was used to break up the legacy application in microservices.

2018-08 - 2018-11

Forza Football

Frontend Developer. Short assignment. Creation of in-app campaigns in Javascript, HTML and CSS for the Forza Football app. Also involvement in anything frontend related e.g. suggesting general improvements of the codebase, Google Analytics, automation, A-B tests, UX and graphic design.

Engagements at Capgemini

2018-01 - 2018-04

Ikano Bank

Lead Frontend Developer. Performance audits and solution analysis for enhancing the overall loading time of ikanobank.se. Bonus: Urgent JavaScript fixes in the Ikano Taskforce Team on top of IKEA Delbetala.

2017-11 - 2018-01

SLL IT (Stockholms Läns Landsting)

Lead Frontend Developer. Frontpage rework for vardgivarguiden.se. Took the opportunity to enhance the frontend development setup by re-creating the bundling and minification with RequireJS along with sourcemaps for JavaScript and css.

2017-10 - 2017-11

Capgemini Sverige AB

Lead Frontend Developer. In-house innovation project for IKEA. Development of a 3D room planning experience using WebGL (THREE.JS), React.js and Webpack.

2016-11 - 2017-09

SLL IT (Stockholms Läns Landsting)

Lead Frontend Developer. Developed a new intranet for SLL. Fulfilling the role of lead frontend developer by setting the frontend architecture and doing the initial groundwork to set the projects coding standards and pattern out solutions. The project was awarded [Winner of "Best Intranet"](#) in Episerver Web Awards 2018.

The technology stack for this project included JavaScript ES6, ReactJS, Webpack, EpiServer (.NET, Razor) and TeamServices.

2016-11 - 2017-02

SLL IT

Lead Frontend Developer. Created a Wordpress blog portal for 1177.se. Drove requirements and implemented the frontend. Also developed tailored features for the customers needs using CSS, HTML, PHP and Javascript.

2016-09 - 2016-12

E.ON

Lead Frontend Developer. Implementation of HTML/CSS changes and features for an EpiServer solution. Also responsible for handling releases.

2016-09 - 2016-11

Öresundståg

Lead Frontend Developer. Implemented change requests and features for an AngularJS / EpiServer solution.

2015-06 - 2016-09

IKEA AB

Lead Frontend Developer. Worked in an international team with the main responsibility to implement and drive change requests for IKEAs Retail Web. Practically this involved both front end development using JavaScript, CSS and HTML, as well as back end development using JSP, XSLT and shell scripts. Other involvement ranged from requirements gathering, analysis and estimation, designing solutions, coordination of testers and running demos of implementations.

Early employments

2015-01 - 2015-06

Sony Mobile, Lund

SW/HW Graphics Engineer. In the Sony Telephony team the main duties involved feature development in Java Android for Sony's Z3 phone as well as general debugging. Responsibilities covered low level modem internals (C++ layers) up to the Java application layers in Sony's Video Telephony app. Also initiated and maintained Sony Overflow, an internal Q&A-forum similar to Stack Overflow.

2014-04 - 2015-12

Sony Mobile, Lund

SW/HW Graphics Engineer. Starting out in Sony's Modem team, mainly handling change requests and defect fixes. Got up to speed quickly at debugging modem internals of Qualcomm's and Google's large C++ code base of UMTS, LTE, ViLTE, VoLTE.

2012-01 - 2012-07

Amadeus Development Amadeus IT Group, Sophia Antipolis, France

Software Engineer Intern. Replacement of the Continuous Integration (CI) server used for building the source of the world's largest airline billing system. Requirements gathering by interviewing team members in an agile Scrum-ban team. Customization of a Jenkins server to simplify the build process. Successfully prioritization of tasks while working under high time pressure, gaining experience in Java, shell scripts, Linux and Jenkins.

Education - Chalmers University of Technology

2009-09 - 2014-02

M.Sc. in Software Engineering and Technology

Masters thesis – Virtual Geometry Textures

A solo project investigating the implications of combining Virtual Texturing and Geometry Images. This would enable progressive loading of infinitely large 3D models directly in the web browser. Prototype developed in JavaScript and WebGL by fusing two existing client side 3D engines.

2006-09 - 2009-06

Bachelor's thesis – Wireless Sensor Networks

Development of hardware and software for an application of wireless sensor networks. The work was done for the Institution for Signals and Systems at Chalmers to investigate possible areas of use and evaluate its properties. Received the highest grade for this project.

2007

Universidad Politécnica de Valencia, Spain

Exchange studies involving advanced Computer Science courses and learning Spanish.

Languages

Spanish: **Good command (5 months exchange programme in Valencia 2008)**

English: **Fluent, Cambridge ESOL, Certificate in Advanced English**

German: **Still working on my school german.**