Jan Schill

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EDUCATION

IT University of Copenhagen — Copenhagen, Denmark
Master of Science in Computer Science — *Sep. 2019–Jun. 2021*

Hochschule Flensburg University of Applied Science — Flensburg, Germany
Bachelor of Science in Media Informatics — *Sep. 2015–Aug. 2019*

Valley Lutheran High School — Phoenix, Arizona
1-year AFS student in a foreign-exchange program — *Aug. 2010–May 2011*

Auguste-Viktoria-Gymnasium — Flensburg, Germany
Sociologically bilingual graduation with Geography as main topic — *2004–2014*

EXPERIENCE

Zendesk — Copenhagen, Denmark
Student Developer — *Oct. 2019–Present*

- **Ruby on Rails**: Incrementally upgrade Rails; develop in large Rails application.
- **Dual-boot framework**: Impelement a dual-boot tool to run two versions of Rails parallel in testing pipeline.
- **AWS RDS**: Find a strategy for resilience in unhealthy database clusters.

visuellverstehen GmbH — Flensburg, Germany
Full Stack Web Developer — *Jan. 2018–Sep. 2019*

- **PHP with Laravel**: Custom web application solutions using PHP and the Laravel framework.
- **Vue.js**: Single Page Applcation development with frontend reactive framework Vue.js.
- **TYPO3**: Website development with a powerful CMS called TYPO3 based on PHP.

Weinstube im Krusehof — Flensburg, Germany
Software Development — *Mar. 2018–Sep. 2019*

- **PHP with Laravel**: Developing a JSON API and Laravel backend
- **Vue.js**: Building a reactive SPA with WebSockets for continoues communication between two iPads

Buero Oeding — Flensburg, Germany
Web Designer — *Sep. 2017–Jan. 2018*

- **Screen Designs**: Build modern screen designs using Adobe XD.
- **Print media**: Using the Adobe Suite (Mainly InDesign, Photoshop and Illustrator) to create print products.

PROJECTS

- **Modern SPA with PWA technologies**: I have developed a web application, using modern technologies like service workers, Push API, and Vue.js. The application was developed for use by an organization to raise awareness of vehicular CO_2 emissions. The company has created unique ride-sharing opportunities intended to reduce unhealthy emissions. I was responsible for developing an application that allows users to send "push notifications" to registered users at specific locations. The primary focus of this project was to create a dynamic Progressive Web Application that interacts like a native application. A challenge was to provide push notifications on iOS which I addressed by using SMS and email notifications.

- **Laravel web application with reactive VanillaJavaScript frontend**: I built a Laravel application with VanillaJavaScript front-end for a restaurant in Flensburg. The software provides a structured overview of waiting guests, register incoming customers and associate them with a number. The goal was to maintain a structured list of waiting customers for fair and efficient seating. The web application can be run on two iPads: One registers new guests. The other assigns them to tables. They are networked using Pusher to maintain a communication channel using the WebSocket protocol. This allows the system to send notifications and update the DOM as new data is collected.

PROGRAMMING SKILLS

- **Languages**: Ruby, JavaScript, Scala, PHP, Python, Java, HTML, CSS, SQL

- **Technologies**: Rails, AWS, Laravel, Vue.js, Git, Datadog