

Aste Ploug Henriksen

Software Engineer

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Profile

Versatile Software Engineer with a background in civil engineering and data-driven design. I build scalable and intuitive products that people love to use. I thrive in mission-driven teams that challenge conventions and foster curiosity, collaboration and thoughtful engineering.

Skills

Languages	JavaScript	TypeScript	Python	HTML	CSS
Frameworks	React	Node.js	Tailwind	Bootstrap	Jest
Tools	Git/GitHub	CI/CD	GCP	Netlify	PostgreSQL

Experience

Independent Consultant | Software Engineer & Construction Engineer

Aug 2022 – Present | Copenhagen

- Built and deployed a responsive, SEO-optimized [web application](#) for Tandklinikken Frederiksund, including a custom booking and contact system, using JavaScript, APIs, Bootstrap and Netlify – boosting site traffic and user engagement by 400%.
- Delivered civil engineering consulting for residential and commercial projects, applying analytical problem-solving and project management to ensure fast delivery and regulatory compliance.

Computas | Software Engineer Intern

Feb 2022 – Apr 2022 | Copenhagen

- Assisted with updates to internal tools and client projects for IKEA and Wash World, working with Angular, TypeScript and cloud-based development workflows on Google Cloud Platform.

Rambøll | Computational Design Engineer

Jan 2017 – Nov 2021 | Copenhagen

- Developed 3D software tools using Python and Grasshopper to automate CAD workflows, saving over 1,000 hours of manual design and engineering work and contributing to the successful win and delivery of 10+ projects.
- Ranked 7 of 700+ teams (top 1%) in Rambøll's Innovation Cup by prototyping a circular reuse solution for wind turbine materials in the construction industry.

Hayway | Founder & Design Engineer

May 2014 – Oct 2021 | Copenhagen

- Founded and led a design and innovation firm. Developed an experimental myopia-reversing lens with Rigshospitalet, and created C-sense, a cyclist safety technology with Imtech, among other projects.

3XN | Computational Design Engineer

Jan 2014 – Jul 2015 | Copenhagen

- Led the parametric design and automation for Quay Quarter Tower's facade using Python and Grasshopper, contributing to 3XN's first international high-rise win, later awarded the International High-Rise Award 2023.

Education

Aalborg University | MSc., Eng. in Architecture

Aalborg University | BSc., Architecture and Design

Coursework

MITx | Computer Science

Coursera | Google Cloud Fundamentals

MITx | Computational Thinking & Data Science

100devs | Software Engineering