

Miles Johan Bailey-Braendgaard, Software Engineer

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Nationality	UK, Denmark (EU), and US
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LINKS	Portfolio , LinkedIn , Github
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PROFILE	<p>Software Engineer with a background in computer science, biomechanics, arts, and engineering who is ready to develop, learn, and become a proactive member of your team.</p> <p>Have experience adapting to new languages, IDE's, and technologies and applying them to cross-disciplinary problems.</p> <p>Technologies I often work with include: JavaScript, TypeScript, React.js, Node.js, AWS (S3, EC2, Lambda, and others), CSS, HTML, MongoDB, SQL, PostgreSQL, MySQL, Redux, Three.js, Bootstrap, Git/Github/Gitlabs, Python, Vercel, Netlify, JIRA, Confluence, Teams, Agile Methodology</p>
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EXPERIENCE

Jan 2023 — Present	Junior Software Engineer, Aurora Energy Research	Oxford, UK
	<ul style="list-style-type: none">• Full-stack responsibilities within micro-services and micro-frontend architectures primarily in Typescript, MySQL, and AWS services including S3, Lambda, and more.• Part of the development and architectural testing of fintech SaaS/Modelling solutions that handle bulk data and deliver bespoke financial simulations and analysis to internal and external customers.• Based in (Oxford) head office Software Engineering department often working inter-disciplinarily with analysts and modellers in both Typescript and Python	
Nov 2021 — Jan 2022	Intern Prosthetist/Orthotist , Aktiv Ortopedteknik	Lund, Sweden
	<ul style="list-style-type: none">• Clinical placement working hands-on with patients and collaborating in multidisciplinary teams within Skåne University-Hospital.• Experience handling delicate scenarios and design problems under time pressure including biohazard scenarios, war-related injuries, language interpretation, and healthcare work during the COVID-19 pandemic• Adapted quickly to new patient records databases and software, gained in-depth experience including with Upper Limb Prosthetics.	
Aug 2020 — Aug 2021	Writer , EDIT Newspaper	Jönköping, Sweden
	<ul style="list-style-type: none">• Wrote English and Swedish language articles on topics such as social issues and art for both the physical and online editions of the Jönköping University student newspaper.	
May 2019 — Dec 2019	Software Developer , Culture Hustle	Bournemouth, UK
	<ul style="list-style-type: none">• Developed an AI 'Chatbot' (Primarily in AIML 2.0, HTML, and JavaScript) for the company to aid in marketing and customer support and UX.	
Mar 2019 — Jun 2019	Production Assistant , Culture Hustle	Bournemouth, UK
	<ul style="list-style-type: none">• Assistant to British artist, creator, and activist Stuart Semple in both manufacture of commercial art supply products and maintenance of art studio space.	
Jun 2015	Software Engineering Work Experience , Siemens Traffic Solutions	Poole, UK
	<ul style="list-style-type: none">• Shadowed software engineering department whilst learning about and designing junction traffic sorting algorithms in C#.	

AWARDS

Jul 2016	Arkwright Engineering Scholarship	
	<ul style="list-style-type: none">• Competitive UK-based scholarship sponsoring school and extra-curricular projects in Engineering, Computing, and Technical Design, including a placement at UK-based defence firm Ultra Electronics.	

EDUCATION

Jun 2022 — Dec 2022	Full Stack Web Developer Program, EPICODE/Strive School	Remote
	<ul style="list-style-type: none">• High-intensive highly-rated Full-Stack Development Bootcamp (Formerly known as Strive School) focusing on MERN and PERN stack including topics such as Javascript, Typescript, React, Redux, HTML, CSS, NodeJS, ExpressJS, MongoDB, SQL, PostgreSQL, Cryptography, and Authentication.	
Aug 2019 — Jun 2022	BSc Prosthetics and Orthotics, Jönköping University	Jönköping, Sweden
	<ul style="list-style-type: none">• International Society of Prosthetics and Orthotics (ISPO) Accredited Program• Clinical, tech, and research focused including modules on statistics• Dissertation on the application, accuracy, and reliability of 3D scanning devices and spatial data processing software in the field	
Jul 2017	UNIQ Oxford University Summer School	Oxford, UK
	<ul style="list-style-type: none">• Official summer school run by the university with specialisation in Engineering and Engineering software including MATLAB and C++	
Sep 2014 — Jul 2018	A-Levels and GCSEs, Poole Grammar School	Poole, UK
	<ul style="list-style-type: none">• 3 A-Levels: Maths, Electronics, and German• 13 GCSEs: including Maths, Further Maths, Computer Science, and Electronics	

SKILLS

- Main languages are **TypeScript/Javascript** though have worked with **Python**. Have some experience with **C#** and **Solidity**, and would be able to quickly learn and adapt to others languages/frameworks required
- **React, NodeJS, AWS (have worked with S3, EC2, Lambda, Cloudfront, Codepipeline, and others), CSS, HTML, MongoDB, SQL, MySQL, MySQL Workbench, PostgreSQL, Redux, Three.js, Bootstrap, Git**
- Experience with 3D modelling, scanning, printing, and gait analysis software including Canfit, Paromed, Autodesk, Vxelements, Visual3D, and Qualisys
- People- and detail-oriented, with experience organising and hosting events, trips, and student support in the Jönköping University Student Union

LANGUAGES	English	Native speaker	Danish	Highly proficient
	Swedish	Highly proficient	German	Good working knowledge

HOBBIES	Languages - trying desperately to learn Mandarin; Music - play the bass and piano; Hiking - every other weekend;
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