

Miles Johan Bailey-Braendgaard, Software Engineer

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Nationality	UK, Denmark (EU), and US	
LINKS	My Website (milesbb.tech) , LinkedIn , Github	
SUMMARY AND VISA DETAILS	<p>Software Engineer currently in Fintech/Renewable Energy with a background in Computer Science, Biomechanics, the Arts, and Engineering who is ready to develop, learn, and become a proactive member of your team!</p> <p>I hold a Subclass 309 Partner visa which provides full work rights in Australia and a direct automatic pathway to permanent residency (Subclass 100). Will be moving to Melbourne from the UK in April 2026, available to start work from 15th April 2026 onwards.</p>	
SKILLS	<ul style="list-style-type: none">• I often work day-to-day with: Python, TypeScript, AWS (incl. S3, Lambda, ECS, RDS, Cloudformation, CodePipelines/Build, and others), Node.js, Express, React, MySQL, Git/Github/Gitlabs, JIRA, Confluence, PowerBI, Agile.• Work inter-disciplinarily with analysts, modellers, and product leads/managers including explaining deeper technical concepts of our architecture in an understandable manner.• Can adapt to new technologies quickly• People- and detail-oriented, with experience starting up dev 'guilds' at Aurora Energy Research and organising and hosting events, trips, and student support in the Jönköping University Student Union• Experience with 3D modelling, scanning, printing, and gait analysis software including Canfit, Paromed, Autodesk, Vxelements, Visual3D, and Qualisys.• Also familiar with the computational and projective geometry and signal processing methods used in scanning software and myoelectric embedded software.	
EXPERIENCE		
Mar 2025 — Present	Software Engineer, Aurora Energy Research	Oxford, UK
	<ul style="list-style-type: none">• I work to improve architecture and processes within statistical financial model code. Furthering collaboration between Engineering and Modelling departments.• Run a multidisciplinary scrum team with modellers and software engineers• Started 'Continuous Improvement' guild to try and avoid stagnation and up dev satisfaction.• Run 1st and 2nd round interviews and line manage Junior Software Engineers	
Jan 2023 — Mar 2025	Junior Software Engineer, Aurora Energy Research	Oxford, UK
	<ul style="list-style-type: none">• Saved hundreds of \$ each month by implementing an S3 cleaning loop lambda• Delivered an ECS job queueing system that improved service and wait times for both internal teams and external users globally by days in some cases• Delivered comprehensive scaling upgrades and also won company-wide 'Code of the Year' award for a local 'cluster simulator' model for future pre-load test confidence• Helped to start up 'Operations Guild' that improves general operational status/habits + monitoring architecture across all products e.g. alerting, security issues, DB/package upgrades, and system health	
Nov 2021 — Jan 2022	Intern Prosthetist/Orthotist, Aktiv Ortopedteknik	Lund, Sweden
	<ul style="list-style-type: none">• Handled delicate scenarios and design problems under time pressure in direct clinical design work and gained experience programming myoelectric "bionic" Upper Limb Prosthetics and patient databases	
Mar 2019 — Dec 2019	Production Assistant/Developer, Culture Hustle	Bournemouth, UK
	<ul style="list-style-type: none">• Developed an AI 'Chatbot' (Primarily in AIML) for the company website	

EDUCATION

Jun 2022 — Dec 2022	Full Stack Web Developer Program, EPICODE	Remote
	<ul style="list-style-type: none">• To update my knowledge on current popular web dev stacks, participated in intensive highly-rated Full-Stack Development Course• Mainly MERN and PERN with topics such as Javascript, Typescript, React, Redux, HTML, CSS, NodeJS, Express, MongoDB, SQL, PostgreSQL, Cryptography, Security, 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 statistics, mechanical and biomechanical engineering, and psychology modules• 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 of Oxford with specialisation in Engineering and Engineering software including MATLAB and C++	

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

HOBBIES	Languages - trying desperately to get my HK1 Mandarin; Olympic Lifting three times a week; Building a playlist transfer website so I can backup my many Spotify playlists - check it out here! ;
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