

# Alan Russell Senior Full Stack Engineer

✉ ajrussellaudio@gmail.com ☎ 07519003922 🔗 alan-russell 🎧 ajrussellaudio

## 👤 PROFILE

- Software developer with exceptional problem-solving skills, focused on high-quality web products.
- Expert in creating intuitive, clean, tested, and maintainable front-end interfaces using JavaScript and React, with a strong understanding of back-end technologies.
- Experienced leader and mentor in high-level decision-making, professional development, and team empowerment.

## 🧠 SKILLS

**React:** NextJS, Vite, React Native, React Query, React Testing Library, React Hook Form, Redux, Framer Motion

**Front end JavaScript:** TypeScript, Svelte, RxJS, D3, Tone.js, p5.js, Web Audio API

**CSS:** Tailwind, Bootstrap, Sass, CSS Modules, Styled Components,

**Back end JavaScript:** Node, Express, Nest.js, Prisma, Sanity, GraphQL, REST, PostgreSQL, MongoDB

**Team leadership:** Mentoring, requirements gathering, architecture, collaboration with UX researchers and designers, stakeholder management, one-to-ones, professional development, recruitment

**...and the rest!:** Python, Django, Flask, Ruby, Ruby on Rails, Sinatra, Java, Spring Boot, C#, .NET, SuperCollider,

## 📁 PROFESSIONAL EXPERIENCE

**Lead Front End Engineer (Contract),** Pickatale [🔗](#)

Mar 2024 – Sep 2024

*React, TypeScript, Next.js, Nest.js, GraphQL*

Oslo, Norway

Lead a cross-functional team for the Library product, delivering a complete visual redesign, SSR, performance and accessibility enhancements, and integration with Pickatale Create (generative AI). Also responsible for project management, maintenance of legacy products, and coaching and mentoring team members.

**Instructor (Contract),** CodeClan

Aug 2023 – Nov 2023

*JavaScript, React, MongoDB, Java, Spring, PostgreSQL, TypeScript*

Glasgow, Scotland

I briefly returned to CodeClan to help at an incredibly difficult time for the company. I lead web development instruction to the final Glasgow cohorts, including classroom-based teaching, one-to-one support, and mentoring groups on full stack projects.

**Senior Full Stack Engineer,** Pickatale

Dec 2021 – May 2023



*React, TypeScript, Next.js, Svelte, Nest.js, Express*

Oslo, Norway

I lead a cross-functional team modernizing a children's book content editor. I actively contributed to architectural decisions, collaborated with product owners, designers and researchers, and played a key role in developing the customer-facing website.

<b>Senior Front End Developer</b> , Digirati  <i>React, TypeScript, Next.js, Django, .NET</i> I led UI development in cultural heritage and digital archiving for clients like the Wellcome Collection and Harvard University. Introduced key enhancements, including UI code unit testing and user testing, resulting in improved project outcomes and team efficiency. Provided oversight, mentorship, and code review for junior developers and backend engineers in modern front-end development techniques.	Nov 2020 – Dec 2021 Glasgow, Scotland
<b>Senior Web Developer</b> , Twig Science  <i>React, Node, PostgreSQL, GraphQL, Apollo, Prisma</i> I started as a mid-level contributor, and earned an internal promotion to senior role. I led UI development for a top-rated educational platform for American schools with a 40% market share in California and other states. I guided architectural decisions and provided crucial mentorship to junior developers, ensuring team success.	Jun 2019 – Nov 2020 Glasgow, Scotland
<b>Front End Developer</b> , Arnold Clark  <i>React, React Native, Next.js, Ruby on Rails</i> I led a team composed of junior developers and apprentices in successfully delivering significant features on the customer-facing website and mobile app of a prominent national car retailer.	Dec 2018 – May 2019 Glasgow, Scotland
<b>React Developer (Contract)</b> , Waracle  <i>React, Redux, RxJS</i> I revamped user authentication in a popular banking app, and prototyped a customer account portal for global energy markets.	Jul 2018 – Dec 2018 Glasgow, Scotland
<b>Instructor</b> , CodeClan <i>JavaScript (Node, React), Ruby (Sinatra, Rails), Java (Android), Python (Flask)</i> At this digital skills academy I led curriculum creation on front-end topics like JavaScript and CSS, and delivered lessons across the full stack of web development. Our team guided 120 students toward entry-level software roles, and I found immense satisfaction in fostering future talent.	Nov 2016 – Jul 2018 Glasgow, Scotland
<b>Audio Engineer (Freelance)</b> <i>Pro Tools, Logic, Ableton, NI Komplete, MPC, Elektron, modular synths...</i> Before switching career to software development, I worked in various jobs in the music industry, predominantly as a live sound engineer and in equipment sales.	2004 – 2016

## EDUCATION

<b>Software Development Certificate</b> , CodeClan, Edinburgh, Scotland	Jul 2016 – Nov 2016
<b>Audio Engineering Diploma</b> , SAE Institute, Glasgow, Scotland 	Apr 2009 – Apr 2010
<b>BSc Audio Technology with Electronics</b> , Glasgow Caledonian University 	Aug 1999 – May 2003