DEV CHHATBAR

London, UK | +44 7440 787 195 | E-Mail
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Technical Skills

Front-End: React, Next JS, Angular, Node, JavaScript, TypeScript, PHP.
Back-End: Java, Python, Swift, SQL, NoSQL, Express, AWS Amplify, AWS DataStore, oAuth, REST.
Testing / Deployment: Heroku, Cypress, Render, Cloudflare, Netlify.
Developer Tools: Docker, Git, npm, Mongodb Compass, Postman, Gearset, Slack, Kanban, Notion, XCode, AWS, Google Cloud.
Miscellaneous: Linux, Wireshark, Kubernetes, Postman, VMware, VirtualBox.

Experience

Xansium Digital Consultancy | *Software Engineer* — *London, United Kingdom (February 2025 - Present)*
Salesforce | Apex | LWC & VF | Gearset | AWS | S3 | CloudWatch | Lambda | GuardDuty | Appian.

Armagh Banbridge & Craigavon (ABC Council)

- Redesigned and rebuilt the end-to-end citizen application journey in Salesforce, enabling users to apply for themselves or on behalf of multiple entity types (Business / Organisation / School), improving usability and reducing incorrect submissions.
- Restructured underlying data model and entity relationships, improving how organisations, users and applications are linked and managed across the platform.
- Engineered a secure Salesforce → AWS S3 file upload pipeline to bypass Salesforce's 5MB file upload limit, with automated transfer/storage for processing and audit.
- Added malware protection by integrating AWS GuardDuty, blocking malicious files and preventing users from continuing through the application flow until compliance checks pass.
- Implemented a secure cloud document workflow with minimal AWS spend (~£1/month), streamlining grant application submissions (including large evidence files) for funding awards up to £20,000.

Bona Vacantia (BV)

- Built multiple Salesforce Flows to automate document processing pipelines, improving speed and consistency of case administration.
- Implemented automated data capture and document generation support, enabling officers to produce pre-filled letters for printing/emailing with reduced manual entry and fewer errors.

Appian / NHS Theming Initiative

- Helped develop reusable Appian UI templates aligned with NHS frontend design standards, enabling rapid delivery of consistent UI experiences.
- Created drag-and-drop template patterns allowing teams to assemble screens faster while maintaining governance and design consistency.

The Arusha News | *Software Engineer* — *London, United Kingdom (August 2024 - Present)*
React | NodeJS | Express | CSS | AWS Amplify & DataStore | TypeScript.

- Developed a fully functional Online News Magazine for a weekly gazette in Arusha, Tanzania, using React, Node.js, Express, and AWS Amplify for scalable hosting and traffic management, delivered within a two-week timeframe.
- Implemented features for article viewing, user commenting, author authentication, and content management, utilizing TypeScript and CSS, with a tagging system to enhance content filtering and user engagement.
- Integrated a secure payment gateway for future monetization and leveraged AWS DataStore for efficient data management, including automatic generation and use of UUIDs for unique article identification and structured URL routing, enhancing database integrity and content retrieval.

DermSpectrum | *Software Developer* — *Cardiff, Wales (October 2023 – March 2024)*
React | NodeJS | Express | MongoDB | WordPress.

- Collaborated with 6 medical students from Bristol University to develop their complete online presence for a platform aimed at helping people of all skin colors identify skin-related diseases using React, Node.js, TypeScript, Express, and MongoDB.
- Designed and implemented both the front-end and back-end, integrating a database to store images from diverse populations to improve disease identification accuracy.
- Secured initial funding of £4,500 to kickstart the project, with ongoing efforts to obtain additional funding for further development and expansion.

Education

Cardiff University | *BSc Computer Science (Hons) – achv'd 2:1* — *Cardiff, Wales (September 2020– June 2024)*

- For my Final Year Project, I rendered and processed MRI Images using Python and Google Colab on a Raspberry Pi under the supervision of Dr. Paddy Slator. Since there's an increase in demand from Lower & Middle-Income countries, my goal was to democratise its access by ensuring universal availability of its benefits.

References Available on Request.