

Jarrold Thacker

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Cambridgeshire, UK

SUMMARY

Senior Software Developer with 10+ years of experience building applications, providing technical leadership, and a deep background in UX engineering and accessibility. U.S. national with right-to-work in the UK and current TS/SCI security clearance with CI polygraph.

Core Tech: React, TypeScript, C#/.NET, and Python

PROFESSIONAL EXPERIENCE

Senior Software Developer | Defense Intelligence Agency | Office of Human Resources

Cambridgeshire, UK | February 2024 – Present

- Architect and lead engineer for full-stack web applications modernising legacy government human capital management software within classified Windows Server environments.
- Tech Stack: C#/.NET, React, Python (FastAPI), and Microsoft SQL Server.
- Standardised UI engineering for client-side (TypeScript, Zustand, Next) and server-side (HTMX, .NET MVC) applications, improving consistency and maintainability.
- Optimised CI/CD pipelines, reducing deployment downtime and cutting deployment times from hours to 5 minutes.
- Instituted best practices for API design, documentation, accessibility testing (WCAG), and containerization.
- Maintained DoD Privileged User status, acting as administrator for application and database servers.

Senior Technical Advisor | Defense Intelligence Agency | U.S. Africa Command

Cambridgeshire, UK | May 2023 – February 2024

- Developed internal intelligence data report tooling using Python, React, Leaflet.js, AWS Secret Cloud (C2S), Kubernetes, and Databricks.
- Served as interim department head for 6 months, managing project planning via Jira and reporting deliverables to leadership.
- Led technical discovery and vendor evaluation for a \$10M knowledge graph analysis initiative.
- Developed a heuristic framework to improve velocity when evaluating software, APIs, and datasets for open source and geospatial intelligence.
- Collaborated with other U.S. military components and partner nations on evaluating intelligence sharing technologies and community working groups.

Software Developer | Defense Intelligence Agency | U.S. European Command

Cambridgeshire, UK | August 2021 – May 2023

- Developed and maintained mission-essential web applications for high-traffic finished intelligence (FINTEL) using React, Redux, Sails.js, Spring Boot, and ColdFusion.
- Managed datastores in MongoDB, MySQL, and Redis orchestrated with Apache NiFi across air-gapped, cross-domain networks.
- Government Technical Lead: Provided oversight for a 10+ person engineering team and presented technical briefs to General and Flag Military Officers.

- Stakeholder Engagement: Traveled between Europe and the U.S. to lead requirements-gathering meetings with various government agencies.

Senior User Experience Designer | U.S. Senate, Sergeant at Arms

Washington, DC | January 2017 – March 2020

- Led front-end development for accessible web applications using Section 508 and WCAG 2.0 standards.
- Built a scalable component library using ES6 JavaScript, jQuery, and Django MVC, significantly reducing maintenance time.
- Spearheaded usability testing initiatives to drive engineering decisions through data.

User Experience Designer | United States Postal Service

Washington, DC | October 2016 – January 2017

- Developed custom data visualization tools using JavaScript and SVG libraries for internal auditing.

User Experience Designer | Campus Labs (acq. Anthology)

Buffalo, NY | May 2015 – October 2016

- Designed enterprise web applications using AngularJS, Bootstrap, and Material UI.
- Coordinated daily within an Agile SDLC to ensure UX consistency across the product suite.

Principal Software Consultant | Independent Consultancy

May 2018 – Present

- Legacy Migrations: Migrated costly closed-source CRMs to open-source technologies like Next.js and headless CMS (WordPress/Drupal).
- E-commerce: Designed custom Shopify storefronts with integrated third-party APIs for automation.
- Startups: Architected and shipped MVPs, including a machine learning inference engine using Flask, PyTorch, and PostgreSQL.

Earlier Career

- User Experience Specialist | Clemson Online | 2014 – 2015
- Accelerated Composition Instructor | Clemson University | 2014
- Multimedia Assistant | University of Kentucky | 2012 – 2013
- Reporter and Photographer, Kentucky Kernel | 2011 – 2012
- Laboratory Analyst | Appalachian States Analytical | 2009 – 2010
- Senior Technical Support Representative, Gearheart Communications | 2007 – 2009

SKILLS

Category	Technologies
Languages	TypeScript, JavaScript (ES6+), C#, Python, PHP, Java, HTML/CSS
Frontend	React, Next, Vue, HTMX, Astro, Redux, Zustand, Tailwind, Bootstrap
Backend	.NET, FastAPI, Django, Flask, Node.js, Spring Boot, REST, GraphQL
Data	MS SQL Server, PostgreSQL, MongoDB, MySQL, Redis, Elasticsearch, Apache NiFi

Infrastructure AWS (C2S), Docker, Kubernetes, Linux, Windows Server, GitLab CI/CD

Design/UX Figma, Adobe Creative Suite, WCAG/Section 508, Usability Testing

EDUCATION

Master of Arts in Professional Communication (Human-Computer Interaction focus)

Clemson University | 2015

Bachelor of Arts in English

University of Kentucky | 2013

Bachelor of Arts in Film, TV, and Digital Media

University of Kentucky | 2013

CERTIFICATIONS

Security+ CE

CompTIA | July 2022

Certified Scrum Product Owner

Scrum Alliance | September 2018

UX Certified

Nielsen Norman Group | April 2018