



JAMES COLLINS

DEVELOPER • DESIGNER

CONTACT

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TECHNICAL SKILLS

General

- App and web development
- Object-oriented / functional programming
- RESTful API development

Languages

- TypeScript
- Node.js / JavaScript
- C#

Front end

- React
- React Native
- Next.js
- React Navigation
- Redux
- React Router/ React Query
- HTML 5 / CSS 3
- SCSS / Sass
- Tailwind / Styled Components

Back end

- Amazon Web Services
- Google Firebase
- Supabase
- Relational Databases / SQL

Testing

- Integration and unit testing with Jest
- E2E testing with Detox
- Test Driven Development

ABOUT ME

I am a full-stack developer and designer with over three years' experience in commercial app development. My coding journey began in childhood writing adventure games in BASIC, sparking a lifelong passion for blending creativity and technical expertise.

I hold a degree in Computer Science, graduated from Northcoders coding bootcamp, and completed the BCS Level 4 Software Developer apprenticeship. With 15 years' experience in graphic design, I delight in crafting impactful, user-focused and visually engaging applications.

EXPERIENCE

● FULL-STACK DEVELOPER • Tred June 2021 – December 2024

- Tred were a pioneering fintech, empowering businesses to track their spending and carbon footprint through a debit card and app.
- I was integral in building the mobile app and web portal, collaborating in a fast-paced Agile environment using Git, Jira, code reviews, stand-ups and pair programming.

● Front end • Typescript / React Native / React / Next.js

- Design, development and maintenance of our iOS and Android apps using React Native, TypeScript and CSS.
- Development of our web portal using React and Next.js.
- Dynamic animations using React Native Reanimated, Rive and CSS.
- State management through Redux and Context API.
- Push notifications, remote app configuration and deep linking using Google Firebase, React Navigation and Branch.io.
- Robust testing via Jest, React Native Testing Framework and Detox.
- Deployment via GitHub Actions, App Centre and CodePush.

● Back end • Typescript / AWS / Serverless / SQL

- Development of serverless lambda functions using TypeScript.
- AWS development including CloudWatch, Cognito, S3 and SQS.
- RESTful API development via API Gateway.
- Interactions with a PostgreSQL relational database via TypeORM.
- Deployment to AWS using Serverless (Infrastructure-As-Code).

● Design • Figma

- I was part of Tred's design team, crafting strong UI/UX in Figma.
- I led a redesign of the app home screen, from concept to implementation, and was also redesigning our portal and website.

DESIGN SKILLS

- UX/UI design
- App, web and print design
- Image editing/retouching
- Typography
- Animation
- Figma
- Adobe Creative Suite (InDesign, Photoshop, Illustrator, After Effects)

EDUCATION

NCTJ JOURNALISM

Harlow Journalism Centre

January 2003 – July 2003

- A journalism course with a focus on magazines.
- Covered design, subediting, photography, feature writing.

BSc COMPUTER SCIENCE

University of Nottingham

September 1996 – June 1999

- Object-oriented and functional programming.
- Software architecture and databases.
- UI design and coding.
- Java, C++, HTML and SQL.

3 A-LEVELS • 10 GCSES

Quinton House, Northampton

1992 – 1996

- A-levels in mathematics, physics and English.
- GCSEs including maths, science, I.T. and electronics.

INTERESTS



Design



Music



Gaming



Travel



Photography



Cycling



Literature



Writing



Cinema

EXPERIENCE CONTINUED

● BCS LEVEL 4 SOFTWARE DEVELOPMENT • Northcoders August 2021 – April 2023

- Software and mobile app development with C#, JavaScript, React Native, AWS, Detox, Docker, Terraform and relational databases.
- The course also covered the SDLC, SOLID principles, testing frameworks and software design patterns.

● PERSONAL PROJECTS

February 2021 – May 2021

- I continued to expand my skills in React and JavaScript through online courses and personal projects.

● GRADUATE SOFTWARE DEVELOPER • Northcoders

September 2020 – January 2021

- A challenging programme teaching full-stack software development with React, React Native, JavaScript, Axios, Express.js and SQL.
- **Final project: Meme What You Say**
 - A real-time, multiplayer caption game built with React Native and a Google Firebase non-relational database.
 - Visit: james-collins.netlify.app/pages/projects/meme.html

● PERSONAL PROJECTS

January 2020 – August 2020

- I challenged myself to relearn web development, completing online courses in HTML, CSS, JavaScript and motion graphics.
- **Personal project: Portfolio website**
 - Built with HTML, CSS, Flexbox, CSS grids and JavaScript.
 - Visit: james-collins.netlify.app
 - Code: github.com/jimwcollins/portfolio
- I also fulfilled a lifelong dream and completed my first novel.

● FREELANCE DESIGN

September 2007 – December 2019

- Sole responsibility for the complete design cycle, from initial concept and design through to layout and the production of print PDFs.
- Extensive use of Photoshop to manipulate/retouch images.
- Close collaboration with clients.

● DESIGNER • Think Publishing

October 2003 – August 2007

- Design of magazines, books and advertisements.
- Extensive use of Adobe Creative Suite.

● WEBSITE DEVELOPER • Quidnunc

September 1999 – September 2002

- Key team member developing websites and applications for clients including M&S and the University of Cambridge.
- Member of the 24/7 client technical support team.
- Extensive use of HTML, SQL and Java.