Matthew Collins

Date of Birth: 02/09/1982
Mobile: +44 7989 786 015

Occupations:

- Senior Software Engineer/Blockchain Developer
- Senior Architectural Technologist
- Senior Web Developer
- Editor-in-Chief/Financial Analyst
- Artist & Musician

About Me

Career Profile

With over 15 years of experience as an Architectural Technologist/Technician, I specialize in blueprints, building processes, technical assistance, and planning documentation. My expertise extends to advanced 2D/3D CAD skills, particularly in infrastructure and the built environment. From system implementation to commercial and residential projects, I've successfully managed projects from concept to fruition, integrating cutting-edge technologies.

Technical & Software Engineering Skills

Actively immersed in software engineering, I specialise in a diverse set of technologies, including Python, JavaScript, React.js, Three.js, P5.js, Tailwind.css, TypeScript, Next.js, Ether.js, Amazon, Azure, Solidity Smart Contracts, and Web3 Development.

With expertise spanning various development domains, my focus lies in Web3 Development, utilising technologies such as IPFS, infura.io, Pinata, AlchemyWeb3API/SDK, Ether.js, Solidity, Remix, OpenZeppelin, Hardhat, and various frameworks interacting with node modules in the terminal CLI. I have hands-on experience in developing Smart Contracts, including ERC-20, ERC-720, ERC-721, and ERC-1155. My skills extend to Ethereum, Polygon (Mumbai Test and Production Builds), Goerli (Testnet), Rinkeby-Testnet (Deprecated), and Cronos POS Chain/layer-zero network (Coinbase). Employing libraries like Axios, Vercel, Clerk-Auth, Web3Modal, and other dependencies, I ensure a robust and efficient development process.

In addition to my technical proficiency, I possess adept knowledge in Metamask, Core, walletConnect, walletlink, and Formatic Wallets/API/SDKs. For web2 builds, I seamlessly execute Stripe and PayPal APIs for payment integration within

developments or SAAS products. When it comes to backend integration, I leverage Django, Flask, and incorporate Pinecone DB for enhanced functionality.

Actively enrolled in a dynamic bootcamp, I am intensively mastering Python, HTML, CSS, React.js, JavaScript, Microsoft Azure, and AWS (S3). This comprehensive program aims to elevate my skill set, keeping me at the forefront of technological advancements and seamlessly integrating them into my development practices.

- Built own API using Python, Postman & Rapid API platform for deployment.

- Actively exploring blockchain-based technologies and cryptocurrency trading.

Authored four finance books.

- Accelerate Your Wealth - MJ COLLINS: The Ultimate Guide to Fastlane Success

  Check out the book on Amazon UK

- The Fastlane Entrepreneur - MJ COLLINS: How to Build a Business That Generates Significant Income Quickly

  Check out the book on Amazon UK

- Fast Track to Riches - MJ COLLINS: The Entrepreneur's Guide to Building a Profitable Business

  Check out the book on Amazon UK

- The Money Maker's Playbook: Strategies for Maximizing Your Earnings in 2023

  Check out the book on Amazon UK

My Work

- www.machudesign.com
- www.moo-lah.io

Contact Me

- Software Engineering ✉: modish0161@gmail.com
- Design Company ✉: machudesigns@gmail.com
- Financial Freedom ✉: moolah0161@gmail.com
- [LinkedIn: Matthew Collins on LinkedIn](modish0161Profile)
- [LinkedIn: Machudesign](LinkedIn Profile).
- [LinkedIn: Moo-Lah] (LinkedIn Profile).

Experience

Senior Architectural Technologist (June 2022 - Mar 2023)
MPSL - Contract | Manchester, UK (Through www.machudesign.com).

- Implemented designs for a Sports Direct development in London and house types for a Housing Estate in Fleetwood.
- Compiled architectural drawings, Permitted Development Packages, and ensured Building Regulation Approvals.

Managing Director - Senior Architectural Technologist (Sept. 2019 – June 2022)
Machudesign Ltd | Manchester, UK (My own Company - www.machudesign.com)

- Coordinated business development, managed and designed various projects.
- Ensured compliance with SDS, Robust Details, and NHBC Building Regulation.
- Managed employees and assisted with projects.

Senior Architectural Technologist (Jan. 2019 - Sept. 2019)
NBDA – Northern Building Design Associates Ltd| Cheshire, UK

- Drafted & supported architectural projects for clients like Odeon, IMAX, Cineworld, and HAVEN HOLIDAY PARKS.
- Interacted with fabricators & site installers to finalize exterior buildability.
- Compiled building shell technical drawings and working drawings packages for construction.

Freelance Designer, Architectural Technologist (April 2009 - July 2017)
Machudesign Ltd | Manchester, UK (Started My own Company - www.machudesign.com)

- Carried out projects such as housing extensions & conversions.
- Applied for planning applications and ensured building regulation compliance.
- Created & built websites with CSS script.
- Compiled 3-D walk-through & architectural visualizations.

Designer /Architectural Technologist (May 2007 - April 2009)
Taylor Young Ltd | Handforth, Wilmslow. UK

- Aided supervision of a housing estate with two hundred builds.
- Liaised with & advised sight managers & clients.
- Independently outlined three-storey apartment blocks & housing schemes.

Architectural Technician/Draughtsperson (Jan 2005 - May 2007)
Lakesmere Ltd | Lymm - Warrington UK

- Drafted & supported architects, structural engineers, senior designers, drawing managers, purchasers & quantity surveyors.
- Interacted with fabricators & site installers to finalize exterior buildability.
- Completed G.A & technical drawing throughout all phases of design.

Other Relevant Design Work Experience (July 1998 - Sept 2006)
Pendragon Construction Ltd | Gatley, Stockport. The UK

- Trained in roofing & cladding systems, masonry, joinery, roofing systems, and renovation of houses.

Financial Work Experience (July 2000 - Sept 2002)
www.moo-lah.io (My own company)

- Spearheaded the development of moo-lah.io as the Editor-In-Chief.
- Crafted and curated over 1500 articles covering a wide range of financial topics.
- Built the website from inception, showcasing a hands-on approach to the platform's creation.
- Authored engaging and informative content to ensure a high-quality user experience.
- Demonstrated a passion for not only editorial tasks but also actively contributed to the technical aspects.
- Involved in creating and enhancing technical information and applications related to financial content.
- Merged editorial skills with a keen understanding of technical intricacies for a dynamic platform.
- Played a pivotal role in shaping moo-lah.io into a comprehensive and impactful financial resource.

Other Relevant Financial Work Experience (July 2000 - Sept 2002)
Cooperative bank | Pyramid, Stockport. The UK

- Data Input Specialist (Part-Time)
- Processed variable balance transfers (VBTs) and credit card applications in the evenings.
- Validated and input customer data for financial transactions.
- Ensured compliance with security and regulatory requirements.
- Managed customer records and conducted data quality checks.

- Verified authenticity of supporting documents.
- Collaborated with team members for efficient data flow.
- Handled system troubleshooting and reported issues.
- Maintained a strong focus on data security and confidentiality.

Education
- **Manchester Metropolitan University (MMU)** | Sept 2024 – June 2025
  - MSc Financial Technology (FinTech) Sept 2024-Unconditional Offer Received
- **University Of Salford** | Sept 2001 – June 2005
  - BA Honors in Spatial Design/Architecture and Contemporary Structures.
- **Loreto Sixth Form College** | Sept 1999 – May 2001
  - Advanced GNVQ in Art and Design.
  - CLAIT (Computer Literacy & IT).
- **Thomas Holford R.C.H.S** | Sept 1994 – May 1999
  - 10 G.C.S.E's
  - Intermediate GNVQ Art & Design Advanced.

Awards-CPD

- **Chorlton Park Adult Education** | Sept 2002 – May 2005
  - Spanish Beginner ABC. (Night College Lessons).
- **Awarded membership to the Chartered Society of Design. (CSD)** | May 2004
- **Granted Associate Eligibility to CIOB. (ACIAT) Chartered Institute of Architectural Technology** | March 2006.
- **CSCS Operatives-Health and Safety Test** | Aug 2006
- **Business Entrepreneurial evening classes** to observe how trade can be implemented through design (Salford University Alumni) | Aug 2006
- **Registered Kalzip Approved Contractors Designer Course** | Nov 2007
- **Registered Sarna-fil Course for Design** | Mar 2007
  - SFS Intec (RIBA, CPD) | May 2007
- **CDM & Risk Assessment** | June 2007
- **Geo-Cel Dow Coming (RIBA CPD)** | July 2007
- **Software Engineering - Skills-City Bootcamp** | Jan 2024
- A course which provides the building blocks and advance technical skills needed to work in Software Engineering. The program introduces various Software Engineering concepts and the opportunity to discover theory by exploring subjects online. The bootcamp also provides scope to practise and apply knowledge.

- **The course content includes:**
- Gain an understanding of software fundamentals.
- Building Responsive Web Applications (HTML, CSS, REACT, API's).

- Advance Python and Automation. (OOP, Encapsulation, Inheritance, Polymorphism & Abstraction).
- Complete up to Module 2.5 of Python Essentials 1 (Cisco) (Optional)
- Complete up to Module 3.8 of Python Essentials 1 (Cisco) (Optional)
- Microsoft Azure fundamentals and Backend.
- Advance topics: DevOps, AI and Game Engines.
- Creating a Portfolio.
- Working in a team on a research project to produce a solution to a given business problem and presenting the results to the client.
- Teamwork, wellbeing, and career progression.
- Week 1 (Introduction / Python)
- + GitHub & Cheatsheet
- Week 2 (Python / OOP)
- + Fundamentals of OOP Parts 1 & 2
- + TBAG Parts 1 & 2
- Week 3 (HTML/CSS)
- + HTML
- + CSS
- Week 4 - JavaScript
- + Introduction to JavaScript Parts 1, 2 & 3
- + JS in a nutshell
- + JS: Understanding the DOM
- Week 5 - APIs
- Week 6 - DBMS
- + SQL Bolt
- + SQL Island
- + Northwind
- Week 7 - React Introduction
- + 8.1 React Introduction
- + 8.2 useState(React Hooks)
- + 8.4 Routing

Software Development & Design Portfolios, Some Other Handles. (Good Stuff – Take a look).

- **Matthew Collins - Space Portfolio-modish0161: Portfolio - React/Typescript**
- **Matthew Collins - Portfolio No.7: Portfolio - HTML5/CSS**

Music

- [Matt's Music](#)

Key Skills

- Managing Director, Project Manager – Senior Architectural Technologist.
- Senior Software Skills.
- Surveying from first principles.
- Feasibility analysis of surroundings and urban context.
- Building Regulations & Planning Submissions.
- Health & safety risk assessment.
- Construction techniques and blueprints.
- Full CSCS operative's card.
- Commercial and industrial schemes - concept to detailed stages of design.
- Contemporary structure & spatial design.
- Designer Draughtsman, Technologist.
- Detailer.
- Tools and Apps.
- Certifications.
- Voluntary Work.
- Honours and awards.
- Senior DevOps.
- Languages.
- Dependencies.
- Frameworks.
- Communication.
- Confident PC skills.
- Analytical thinking.
- Teamwork.

Software's

Category	Software/Technology
1. Frontend Technologies	HTML
	CSS3
	Tailwind.css
	JavaScript
	Node.js
	Redux
	React Query
	React Native
	Framer Motion
	React.js
	Shadcn UI

	Typescript

2. Blockchain and Web3 Development	Ethers.js
	Solidity
	Web3.js
	Infura.io
	Pinata
	AlchemyWeb3
	Remix
	OpenZeppelin
	Hardhat
	Truffle
	Ganache
	Web3Modal (Deprecated)
	IPFS (Inter-planetary File System)
	Etherscan.io

3. Smart Contracts	ERC-20
	ERC-720
	ERC-721
	ERC-1155

4. Blockchain Networks	Ethereum
	Polygon (Mumbai Test and Production Builds)
	Goerli (Testnet)
	Rinkeby-Testnet (Deprecated)
	Cronos POS Chain/layer-zero network (Coinbase)
	Avalanche

5. Web Development Tools and Libraries	Vercel
	Replit.io
	Discord
	Axios
	Clerk-Auth
	React.js
	Next.js
	Node
	Prisma
	MUI - React Component-Library
	RapidAPI
	Adobe Dreamweaver

6. Wallet Technologies	Metamask
	Core
	walletConnect
	walletlink
	Formatic Wallet

7. Traditional Web Development	Stripe/SDK/API
	Firebase

8. Backend Technologies	MySQL
	Django
	Flask
	Golang
	Drizzle ORM
	Pinecone DB
	MongoDB

9. Cloud Platforms	Docker
	Microsoft Azure
	Amazon Web Services (AWS)
	Amazon S3 buckets

10. General Programming Languages	Python
	Rust
	Processing 4.3 (MIT) (Open-Source)

11. Development and API Tools	Postman
	VS Code
	GitHub

12. Design and Multimedia Tools	Adobe Photoshop
	Adobe Illustrator
	Adobe InDesign
	Autodesk AutoCAD
	Autodesk - Discreet 3DS Max
	Autodesk 3D Viz
	Adobe After Effects
	Figma
	Spline

	Cinema4d

13. Other Tools	Microsoft 365
	Mermaid.live
	Eraser.io
	Draw.io

14. Notetaking and Organization	Evernote
15. File Hosting and Collaboration	Dropbox
	Google Docs

16. Music Software	Cubase 12 + VST 2 & 3 Plugins
	Native Instruments
	Solid State Logic
	Waves Central
	Pro Tools
	Fab-Filter
	Reason 12
	Massive X
	Omnisphere 5.0
	Soundtoys
	iZotope
	Serum
	Ableton Live
	Falcon UXI

Projects and Companies

- **Matthew Collins - Projects & Companies**

Details

Matthew Collins

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Software Development/Engineering Roles - Contact

Modish0161@gmail.com

Financial Analyst Roles - Contact

Moolah0161@gmail.com

Senior Architectural Technologist Roles – Contact

Machudesigns@gmail.com

Thanks for Reading