

Dan Thomas | Software Developer

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Basics

Software Developer with over 4 years of hands-on experience building web applications, internal tools, and APIs using JavaScript, React, Node.js, and Python, alongside 12 years in technical roles within the telecommunications industry. Proven experience delivering production systems, automating workflows, and integrating cloud and API-based solutions. Strong team collaborator with a continuous focus on learning, code quality, and practical problem solving.

Education

IT Online Learning Academy

<https://www.itonlinelearning.com>

Diploma, Coding Career Program

Jan 2025–Present

Completed a structured coding program covering front-end and back-end web development. Gained practical experience building applications using HTML, CSS, Tailwind CSS, JavaScript, React, Python, and PHP through hands-on projects and assignments. **Courses:** HTML and Web Essentials, CSS Essentials, Tailwind CSS, JavaScript Essentials, React Essentials, Python Essentials, PHP Essentials

Work

IP Netix

<https://ip-netix.com>

Technical Manager - Mid Market and Cloud

Dec 2022–Present

Lead delivery and support of on-premise, private cloud, and public cloud telephony platforms. Design and develop internal tooling, automation, and monitoring solutions to improve platform reliability and operational efficiency. Collaborate with engineering teams, mentor junior engineers, and research new technologies to enhance service offerings. **Keywords:** JavaScript, Python, APIs, Automation, Cloud, Docker

IP Netix

<https://ip-netix.com>

System Engineer

Jul 2014–Dec 2022

Delivered and supported enterprise telephony and cloud systems. Designed technical solutions from initial scoping through production delivery. Built internal scripts and tools to automate repetitive tasks and improve efficiency. Worked in agile-style environments with daily stand-ups and ticket-based workflows. **Keywords:** Python, Bash, JavaScript, Linux, Automation

Skills

Programming Languages: Intermediate

Keywords: JavaScript, Python, PHP, SQL, Bash

Web Development: Intermediate

Keywords: React, Next.js, Node.js, Express.js, HTML, CSS, Tailwind CSS, WebRTC

Backend and APIs: Intermediate

Keywords: REST APIs, FastAPI, OAuth2, WebSockets, JSON

DevOps and Tooling: Beginner

Keywords: Docker, Git, GitHub, CI/CD, Linux

Cloud Platforms: Beginner

Keywords: AWS, Microsoft Azure

Certificates

AWS Certified Cloud Practitioner

<http://link.dlt.me.uk/ULnN2>

Amazon Web Services

Jan 2026

Microsoft Azure Fundamentals (AZ-900)

<http://link.dlt.me.uk/evqJN>

Microsoft

Jan 2026

Python Essentials

<http://link.dlt.me.uk/xweGZ>

IT Online Learning Academy

Nov 2025

Structured Query Language (SQL) Essentials

<https://link.dlt.me.uk/z4BiL>

IT Online Learning Academy

Oct 2025

Database Essentials

<https://link.dlt.me.uk/lV8Y3>

IT Online Learning Academy

Sep 2025

React Essentials

<https://link.dlt.me.uk/eN2jY>

IT Online Learning Academy

Sep 2025

JavaScript Essentials	https://link.dlt.me.uk/CTg7c
<i>IT Online Learning Academy</i>	<i>Aug 2025</i>
Front End Development Libraries	https://link.dlt.me.uk/xg1op
<i>freeCodeCamp</i>	<i>Nov 2024</i>
Back End Development and APIs	https://link.dlt.me.uk/EtCsf
<i>freeCodeCamp</i>	<i>Oct 2024</i>

Projects

Certificate Tool	https://dlt.me.uk/cert-tool
	<i>Jun 2020–Present</i>
Built a tool for generating OpenSSL configuration files, CSRs, and PFX certificates. Initially developed in Visual Basic and later rewritten using a React frontend and Node.js backend to improve maintainability and usability.	
WebRTC Client	https://dlt.me.uk/webrtc
	<i>Nov 2023–Dec 2024</i>
Designed and built a custom WebRTC client using React, Tailwind CSS, and Next.js. Implemented real-time communication using WebRTC and WebSockets with ProtoBuf.	
Chat Application	https://dlt.me.uk/chatapp
	<i>Jun 2024–Aug 2024</i>
Developed a real-time chat application using React for the frontend and Node.js for the backend.	
AudioCodes LiveHub to Microsoft Dynamics API Proxy	Sep 2025–Present
Developed a Python FastAPI middleware to integrate AudioCodes LiveHub with Microsoft Dynamics CRM. Implemented OAuth2 authentication, API orchestration, and custom ticket scoring logic to support AI-driven contact centre workflows.	