



# John Doe



## Senior Software Engineer



Seasoned software engineer with more than a decade of experience in designing and developing scalable web applications. Passionate about building clean, maintainable code and driving best practices in software development. Experienced in leading teams, mentoring developers, and collaborating with cross-functional teams to deliver high-quality solutions.



## Contact



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## Skills



## Development



## Experience



### Senior Software Engineer



#### CloudCore Solutions



London, United Kingdom



Mar 2021 - Present



Django



React



GraphQL



AWS Lambda



PostgreSQL



Docker



Terraform



Led the migration from a monolithic system to a microservices architecture, significantly improving scalability and performance.



Designed and implemented a serverless data processing pipeline using AWS Lambda and S3, reducing operational costs by 30%.



Established CI/CD workflows for automated deployments and testing.



### Lead Backend Engineer



#### FinEdge Technologies



Manchester, United Kingdom



May 2018 - Feb 2021



Python



FastAPI



PostgreSQL



Redis



Kafka



Kubernetes



Jenkins



Spearheaded the development of a real-time financial analytics platform, handling millions of transactions per second.



Improved API response times by optimizing database queries and implementing Redis

- ♦ Python
- ♦ Django
- ♦ ReactJS
- ♦ TypeScript
- ♦ Node.js

## ⚡ Database

- ♦ PostgreSQL
- ♦ MySQL
- ♦ Redis

## ⚡ Testing

- ♦ PyTest
- ♦ Jest
- ♦ Cypress
- ♦ Selenium

## ⚡ Version Control

- ♦ Git
- ♦ GitHub
- ♦ GitLab

## ⚡ Platforms/OS

- ♦ AWS
- ♦ Google Cloud
- ♦ Linux

## 🧠 Languages

🌐 English

caching.



Led a team of backend engineers, conducting code reviews and mentoring junior developers.



## Software Engineer



### NextGen Media



Birmingham, United Kingdom

July  
17

Jul 2015 - Apr 2018



Node.js



Express.js



MongoDB



WebSockets



AWS



Developed a high-traffic video streaming platform, implementing WebSockets for real-time interactions.



Built a recommendation engine using machine learning models to personalize user content.



Automated deployment processes with AWS CodePipeline and Docker.



## Education



## Bachelor of Science in Computer Science



### Software Engineering



### Brighton Institute of Technology



Brighton, United Kingdom





Awarded a scholarship for outstanding academic performance.

 Spanish

 French


## Interests


 Yoga

 Travelling

 Photography


 Hiking

 Chess


 Reading

 Cooking

 Gardening

 Running

 Fitness

 Volunteering



## Projects



### E-commerce Analytics Platform



[View Project](#)



Developed a comprehensive full-stack web application for real-time sales analytics and inventory management. The platform features interactive dashboards, automated reporting, real-time inventory tracking, predictive analytics for sales forecasting, and integration with multiple payment gateways.



React



Python



PostgreSQL



Redis



Docker



### Open Source Task Scheduler



[View Project](#)



Created a distributed task scheduling library with Redis backend that supports job queuing, task prioritization, retry mechanisms, and dead letter queues. Features include task dependencies, scheduling with cron expressions, real-time monitoring dashboard, horizontal scaling capabilities, and fault tolerance with automatic task recovery.



Python



Redis



Celery



Docker



## Certifications



**AWS Certified Solutions Architect**



**Amazon Web Services**

 Aug 2022



[View Credential](#)



**Certified Kubernetes Administrator**



**Cloud Native Computing Foundation**

 Nov 2021



[View Credential](#)



## Awards



**Employee of the Year**

 Dec 2023



**CloudCore Solutions**



Recognized for outstanding contribution to team performance and technical innovation



**Best Final Year Project**



**Brighton Institute of Technology**

 May 2013



Awarded for developing an innovative machine learning algorithm for image recognition



## Publications



### Microservices Architecture Patterns for Scalable Web Applications



Tech Journal Quarterly

July  
17

Mar 2023



[View Publication](#)



### Optimizing Database Performance in High-Traffic Applications



Software Engineering Today

July  
17

Sep 2022



[View Publication](#)



## Conferences



AWS re:Invent 2023



Attendee

July  
17

Nov 2023



Attended sessions on serverless architecture and machine learning



**PyCon UK 2022**

**17 Sep 2022**



**Speaker**



Presented on "Building Scalable APIs with FastAPI and PostgreSQL"



## Volunteering



**Code for Good**

**17 Jun 2020**



**Technical Mentor**



Mentoring young developers and contributing to open-source projects for non-profits



**Local Food Bank**

**17 Mar 2019**



**Technology Volunteer**



Developed a volunteer scheduling system to improve operational efficiency