Cyrille Hounvio

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Profile

Senior Software Engineer with over 8 years of experience in full-stack development, specializing in Node.js (Express, NestJS) for backend and React.js, Next.js for frontend. Proven track record in delivering scalable, high-performance applications across diverse industries including healthcare and music. Adept at leading development teams, architecting solutions, and driving continuous improvement in software development practices.

Technical Skills

- **Front-end**: Expert in building scalable, performant UIs using React.js, Next.js, React Native, and TypeScript, with deep knowledge of Redux Toolkit and modern JavaScript (ES6+).
- **Back-end:** Proficient in architecting robust back-end systems using Python, Node.js with Express and NestJs frameworks.
- **Database Management:** Skilled in MongoDB, MySQL, and PostgreSQL, with a focus on efficient schema design and performance optimization.
- **Tools** & **Technologies:** Docker, Kubernetes, Git, AWS, REST APIs, GraphQL, Jest, Cypress Microservices Architecture.
- **DevOps & Cloud:** Extensive experience with AWS (EC2, RDS, S3, Lambda, etc.), Docker, Kubernetes, CircleCI, and GitHub Actions for CI/CD, automated testing, and scalable cloud deployments.
- **Testing & QA:** Strong advocate of TDD, CI/CD pipelines, with proficiency in automated testing frameworks like Jest, Cypress etc...

Employment History

April 2022 – Present   Senior Software Engineer, Ambie, UK

Ambie helps 50,000+ hospitality businesses to take control of their background music, creating brand consistency and positive guest experiences which drive sales.

- Architected and implemented a high-availability music streaming service backend using Node.js (Express, NestJs), TypeScript, and GraphQL, integrating MongoDB, MySQL, and PostgreSQL.
- Led the development of a React Native mobile app for clients and contributed to an in-house UI library, reducing development time and improving code reuse.
- Optimized development workflows by implementing CI/CD pipelines with AWS Services, GitHub Actions, and CircleCI, and spearheaded containerization efforts with Docker and AWS Fargate (ECR and ECS).
- Integrated analytics and monitoring tools to enhance system performance tracking and user behavior analysis.

- Collaborated with cross-functional teams to implement a user-friendly CMS with React.js and Next.js and ensure alignment of technical solutions with business requirements.

- Mentored and guided development teams, driving project success through leadership and cross-functional collaboration.

- Collaborated with third-party organizations to identify and implement optimal solutions, enhancing overall system efficiency and performance.

- Spearheaded initiatives for real-time updates using WebSockets and developed automated test suites for comprehensive testing to validate API, back-end and Front-end components.

Feb 2021 – Feb 2022   Software Developer, Doctaly, UK

- Engineered backend services using Node.js (Express) with MongoDB and PostgreSQL, ensuring seamless integration and high performance for the Remote Patient Monitoring platform used by over two million patients.

- Developed and optimized GraphQL and RESTful APIs, collaborating closely with backend teams to deliver scalable and robust solutions.

- Led cross-functional collaboration with designers, product managers, and QA engineers, driving the successful implementation of key features and ensuring alignment with project objectives.

- Proactively implemented new features in an existing React.js and node.js project, demonstrating leadership in enhancing functionality and user experience.

Mar 2016 – Feb 2021   Software Developer, Johnson Care Group, UK

Johnson Care Group provides residents with a comfortable, safe, and supportive environment where they can receive the care and assistance they need to maintain their independence and quality of life.

- Developed and maintained a comprehensive Digital Care Planning , Digital Daily Care Records and CMS platform using Node.js, React.js, MongoDB and PostgreSQL, enhancing user experience and system scalability.

- Led the development of a React Native mobile app for managing schedules, booking leaves, and handling user requests, significantly improving user engagement and operational efficiency.

<u>Education</u>

2017 – 2018   University of East London
MSc (Master) Data Science

2014 – 2017   University of East London
BSc (Hons) Computer Science

<u>INTEREST</u>
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