

Sérgio Araújo

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Results-driven professional with experience in software engineering and full-stack development across various roles. Highly skilled in frontend development using React, React Query, and NextJs, resulting in enhanced user experiences and reduced development time. Highly skilled at backend development, optimizing database performance, and implementing cache layers with technologies such as Redis.

CAREER ACHIEVEMENTS

- Contributed to multiple big data projects, demonstrating proficiency in analyzing and processing large volumes of data using technologies such as Apache Hadoop, Apache Spark, and Apache Airflow.
- Proven track record as a founder of a successful web application, showcasing strong coding abilities and strategic thinking in product development.

EDUCATION

Faculdade De Ciências da Universidade Do Porto
Computer Science

Porto, Portugal
September 2016 – July 2020

- Key Modules: Programming, Fundamentals, Information Systems, Systems and Network Administration, Web Technologies, Computational Application Development, Algorithm Selection, Language Selection, Library Usage, User Interface Development, Interdisciplinary Knowledge Integration

TECHNICAL EXPERIENCE

Monday, Slack, Microsoft Teams, Microsoft Office, Jira, MySQL, PostgreSQL, Redis, DynamoDB, Amazon S3, AWS Lambda, Amazon ECS, Amazon EC2, API Gateway, Amazon Route 53, Amazon CloudFront, AWS Amplify, Vercel, Python, Java, JavaScript, React, Next.js, REST API, Express, Kafka, Terraform, GitHub, Jenkins, Bitbucket, Git, Prisma, TypeORM, Stripe, Maps, Scrum, Kanban

PROFESSIONAL EXPERIENCE

Ticknovate
Software Engineer

London, UK
July 2022 - Present

- Contributed as a full-stack developer at Ticknovate, extending the platform and resolving errors, resulting in a 20% increase in overall system functionality.
- Led the development of user interfaces, taking ownership of feature development from backend to frontend, resulting in a 30% improvement in user experience.
- Utilized React, React Query, and Redux for state management, resulting in a more stable frontend .
- Implemented database extensions and optimized the data model, resulting in a 15% improvement in database performance.
- Integrated Redis as a cache layer for REST APIs, resulting in a 50% reduction in API response time.
- Managed APIs using AWS CloudFormation and AWS API Gateway, achieving a improvement in API reliability and scalability.
- Implemented serverless architecture with AWS Lambda and ECS, resulting in a 80% reduction in infrastructure costs.
- Enhanced application logic and created shared libraries, resulting in a major improvement in code quality and collaboration efficiency.

Pawmie
Founder

Porto, Portugal
July 2021 - Present

- Founded and developed a pet services website independently, creating the entire application from scratch within 6 months.
- Implemented a serverless backend written in TypeScript, resulting in a scalable and cost-effective infrastructure.
- Utilized AWS services, including Amplify for frontend hosting, CloudFront for image distribution, and Terraform for infrastructure management, ensuring high availability and performance.
- Leveraged Next.js, React, Tailwind CSS, and React Query on the frontend, resulting in a modern and responsive user interface.

- Integrated Stripe for seamless payment processing, providing a secure and efficient payment experience for users.
- Implemented a map search feature, enhancing user experience and improving navigation within the application.
- Utilized MySQL as the primary database and DynamoDB for specific tasks, optimizing data storage and retrieval.

Critical Techworks (Joint Venture with BMW)
Software Engineer

Porto, Portugal
September 2019 – June 2021

- Served as a Backend Engineer in the Greenfield Projects department, responsible for fast proof-of-concept (POC) development and advancing successful projects.
- Exposed APIs to enable the creation of 3 new functionalities on large car datasets, employing the Extract, Load, Transform (ELT) method to process and manipulate the data.
- Utilized Java as the primary programming language, with additional proficiency in Python and Kotlin.
- Developed data streams to handle and process car data, ensuring efficient and effective treatment of the datasets.
- Collaborated with 7 Product Owners (PO) to develop user-friendly UI components for testing new functionalities and improving the overall user experience.
- Undertook the role of a DevOps Engineer, taking ownership of the application's development, deployment, and infrastructure management.

OTHER

Interests: Swimming (3x week), Reading (every day), Movies

Languages: English (fluent), Portuguese (native)