Joel Dias Correia

Joel Alejandro Dias Correia

Full Stack Developer

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Summary:

• 6+ years of professional experience in the Information Technology industry;
• Experienced in front-end and back-end development;
• Experience with JavaScript-related languages (TypeScript, JSX, and TSX);
• Experience with server-side JavaScript (Node.js);
• Experience with APIs using Java (Spring-Boot);
• Experience with microservices and REST principles;
• Experience in database design;
• Experience with unit and end-to-end testing;
• Solid grasp of object-oriented design concepts and patterns;
• Understanding of design approach, ability to create good UI from scratch;
• Experience in the development of REST API for interaction with web applications;
• Experience working in worldwide distributed teams.

Work Experience:

Patra (DataArt as consultant)
Full Stack Developer — Jun 2024 – Now

Miller Knoll (Stefanini Group as consultant)
Full Stack Developer — Oct 2023 – May 2024

Open Dev Pro
Full Stack Developer — Aug 2021 – Oct 2023

Freelance (part-time)
Full Stack Developer — Aug 2020 – Aug 2021

Siemens Mobility (part-time)
Full Stack Developer — Sep 2018 – Aug 2021

Recently Completed Projects:

IA services for policy checking and quote comparison

Client: Patra is a USA-based company providing IA B2B services to India, Mexico and USA insurance market

Description: Work on a team responsible for creating, updating and maintaining 2 IA services applications, the 1st provides IA Policy Checking service, the 2nd provides IA Quote Comparison and Policy Data extract.

The results of all checks, comparisons and extracts can be exported as PDF, CSV and JSON.

Languages: TypeScript, HTML5, CSS3
Environments: NextJS, NextJS, Tailwind, CSS, PostgreSQL, Node.js, AWS Cloud services.
Position: Software Developer
Activities:

- Work with multiple Github repositories
- Review code and PRs of other developers
- Be part of the SCRUM Agile team;
- Implement Pixel Perfect Layout;
- Translate design wireframes into efficient and reusable NextJS components and page, improve the existing ones as well;
- Work in multiple environments such as local, develop, testing, stage, production;
- Prepare and deploy deliverable packages with the team every sprint;
- Communication with the client;
- Create and update SQL schemas and tables;
- Map and manage SQL entities with type ORM
- Create Microservices that handle S3 Buckets files;
- Update processes with SNS, SQS, Textract and other AWS Cloud Services
- Create and upgrade high-performance RESTful microservices (NestJS);
- Write TypeORM migration scripts
- Write unit test to reach 80% of coverage
- Managing tasks and time estimation.

Generative Office Design Web Application

Client: USA-based furniture company (Miller Knoll)
Description: The goal of the application was to generate design layouts and furniture quotations for offices. The target audience was B2B, like office owners real estate departments of companies and companies. The project consisted of two main parts: Web Application and servers that generate the layouts. The service allowed users to indicate their office size based on different inputs such as DWG files, Usable Area, or Rentable area. The system generates multiple layout options for the furniture, like hives, workstations, coffee shops, meeting rooms, and private meeting rooms. These generated Layouts could be exported in PPTX, CSV, and PDF Format. The Application has a client-side and also an admin side.
Languages: TypeScript, HTML5
Environments: Angular 14, RXJS, NGNX, SCSS, GraphQL, Node.js, AWS Amplify, AWS Lambda Functions, AWS SQS, AWS DynamoDB, AWS S3, Angular Material UI, Git, BitBucket, localStorage
Position: Software Developer
Activities:

- Be part of the SCRUM Agile team;
- Review code and PRs of other developers
- Implement Pixel Perfect Layout;
- Translate design wireframes into efficient and reusable Angular components and also improve the existing ones;
- Work in multiple environments such as development, testing, stage, production, and sandboxes;
- Prepare and deploy deliverables packages with the team every sprint;
- Communication with the client;
- Investigating and fixing issues;
- Troubleshooting and addressing server issues;

- Create and update AWS Appsync Schemas;
- Update processes with SNS, SQS and other AWS Cloud Services
- Create Microservices that handle S3 Buckets files;
- Create and upgrade high-performance RESTful microservices (AWS Lambda Functions);
- Managing tasks and time estimation.

FlexiPaas Integration Platform as a Service

Client: FlexiPaas (an OpenDev Pro service)

Description: The project aimed to develop a front-end web Application to let clients monitor and create/configure the integrations by themselves. It has a Dashboard with clients' operations and also another dashboard for the integrations. There was a section where the user could integrate with drag-and-drop UI, configuring the nodes to create dataflows. After all, the user could test the integration and deploy it. This application had a response time of less than 200ms.

Languages: TypeScript, TSX, Java, CSS3, HTML5

Environments: NextJS, ReactJS, Auth0, MongoDB, Spring-Boot, Java, Swagger, Openshift 4, Visual Studio Code, Git, GitHub, Jest.

Position: Software Developer

Activities:

- Be part of the SCRUM Agile team;
- Review code and PRs of other developers
- Implement Pixel Perfect Layout;
- Collaborate with a designer to create wireframes, mockups, and prototypes using Figma to visualize and communicate design concepts and interactions;
- Translate design wireframes into efficient and reusable React components;
- Creating new application components and improving the existing ones;
- Work in multiple environments such as development, testing, production;
- Creating a RESTful API using Spring-Boot and Swagger;
- Providing appropriate unit test coverage for new and existing components;
- Troubleshooting and addressing server issues;
- Prepare and deploy deliverables packages with the team every sprint;
- Implement internationalization and localization (i18n) with multiple languages,
- Auth0 authentication code flow with pkce;
- Manage MongoDB database.

Formality Management Web Application Backend Update

Client: Leading prepaid healthcare in Argentina

Description: Plan, develop, and deploy a transactional asynchronous architecture (SAGA Pattern) with a retries system and automatic error handling to reduce the error rate on Formality Management Transactions.

Languages: JavaScript, TypeScript, Java SE 8

Environment: NodeJS, Express, Java SE 8, Spring-boot, Camel, Azure DevOps, JMS, JUnit and Mockito

Position: Software Developer

Activities:

- Review code and PRs of other developers
- Draw Data Flows to identify the actual state of the operations;
- Draw Data Flows to plan the new transactional flow;
- Meetings with the architecture team to discuss its implementation;
- Estimation of tasks;
- End to end Testing with JMeter;
- Unit Testing with JUnit and Mockito;
- Upgrade microservices to make them transactional;
- Work in multiple environments such as development, testing, UAT, production;
- Connect these transactional microservices to message queues to make them asynchronous and retryable;
- Create subscriptions and send messages through JMS queues;
- Integrate this new architecture into the actual Web Application.

Formality Management Web Application

Client: Leading prepaid healthcare in Argentina

Description: The project aimed to develop a Frontend for formality management to request medicines or medical benefits. This form had more than 20 fields, and some of its fields changed according to the client's locations. The purpose of the new web Applications was to discontinue 2 monolithic applications to be replaced by a new one with microservices architecture, then integrate it with a CRM. It was accomplished by implementing a BFF Pattern (Backend for Frontend) that presents the information uniquely because the two databases had different structures for the same entities. The client location switches the database to point to. There was a database for Buenos Aires City and another for the rest of the country.

Languages: JavaScript, TypeScript, Java SE 8
Environments: Angular, Angular Material UI, Node.js, SwaggerUI, Jenkins, Git, Azure DevOps
Position: Software Developer
Activities:

- Translate design wireframes into efficient and reusable Angular components;
- Work in multiple environments such as development, testing, UAT, production;
- Designing REST API for application components;
- Creating a RESTful API using Spring-Boot and Swagger;
- Creating a RESTful API using NodeJs with Express and Swagger;
- Create NodeJs Microservices that handle file streams;
- Troubleshooting and addressing server and frontend issues.

Skills:

Programming and Markup Languages:
Work with: JavaScript, TypeScript, JSX, TSX, CSS3, HTML5, Java 8, MarkDown
Studied: C++, C, Python

Technologies and Frameworks:
Work with: React, NextJS, Angular, Ionic, GraphQL, Auth0, 3rd party APIs, Bash, Linux, Firebase Auth, Material UI
Studied: jQuery, Vercel, Ionic, Capacitor, Google Maps API, Bootstrap, Tailwind

Databases:
MongoDB, DynamoDB, Oracle PL/SQL, PostgreSQL, Firestore, Firebase Realtime database

Testing Environments:
Jest, Jmeter Load testing, Postman, Junit, Mockito

Development Environments:
WebStorm, VS Code, Linux, Ubuntu, MacOS

Continuous Integration and Repository Management:
Jenkins, GitHub, Bitbucket, GitLab, Openshift 4, Azure DevOps

Project Management:
Jira

Version Control Systems:
Git

UX/UI
Figma