



# GEORGE CHARTOUNY

## Software Engineer

### CONTACT

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[LinkedIn](#) 

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### EDUCATION

B.S.

Computer Science

University of Arts Science and

Technology

2021

Dekwene, Lebanon

### SKILLS

JavaScript

Java

.NET

PHP

React.js

Node.js

Express

Laravel

SpringBoot

HTML

CSS

Bootstrap

### WORK EXPERIENCE

#### Software Engineer – Implementation & Integration

eMcREY

April 2025 - current / Riyadh, Saudi Arabia

- Developed and integrated a payment gateway for the Central Bank of Oman, enhancing transaction efficiency and user experience.
- Client Implementation & Deployment: Led onsite implementation of Emcrey's Payment Gateway for the Central Bank of Oman, including WebLogic deployment, configuration, and production support.
- Supported the integration of systems for 5 acquirer and issuer banks, enhancing operational stability and ensuring compliance with local banking regulations.
- Collaborated with bank teams and business stakeholders to gather requirements and resolve operational bottlenecks, resulting in a customized solution that improved processing speed by 30%.
- Coordinated with project managers from Emcrey and the Central Bank of Oman, facilitating clear communication and aligning project goals across teams.
- API Testing & Automation: Developed custom testing code using Spring Framework to validate payment gateway APIs, ensuring reliable integration and efficient testing.
- Testing & Quality Assurance: Conducted stress testing, QA testing, and prepared pre-certification documentation to ensure readiness for bank integration and new release rollouts.
- Provided technical support to 12 acquirer and issuer banks, resolving software issues and maintaining operational efficiency using Java and SQL.
- Issue Tracking & Coordination: Managed 90+ Jira tickets for the development team, facilitating quick resolution of issues and smooth communication across teams.
- Designed and implemented backend processes and APIs, including a scheduled Database Archiving process for high-volume transactions, ensuring data integrity, traceability, and zero data loss during retention and migration operations.
- Developed an end-to-end Merchant Onboarding API, handling authorization, merchant provisioning, and automated API user creation (≈100+ request parameters), streamlining migration for acquirers onto the new Payment Gateway platform.

WordPress

Rest APIs

GraphQL

SQL

MongoDB

Postgres

Weblogic

Docker

Linux

Scrum/Agile

## CERTIFICATIONS

Codi

## LANGUAGES

Arabic: Native

English: Fluent

French: Work proficiency

Spanish: Basic knowledge

- Documentation & Compliance: Prepared detailed technical documentation and pre-certification materials to meet bank standards and compliance requirements.
- Integrated payment gateway using WebLogic and Spring Framework while enhancing system reliability through thorough stress and QA testing for a client project.

## Software Engineer

Novelus

September 2023 - April 2025 / Beirut, Lebanon

- Project Work: Delivered key features in projects like deep packet inspection and network insights, impacting over 4 world-wide telecom clients.
- Front-end Development: Developed user interfaces and interactive components for portals and applications using React and Next.js. Enhanced performance and optimized rendering of existing applications to improve responsiveness and user experience.
- Back-end Development: Developed and optimised back-end services using .NET Framework with Entity Framework, Nest.js, and Node.js. Worked on creating KPIs based on complex formulas. Managed the ETL (Extract, Transform, Load) process, which involved extracting data, parsing it, and loading it into the database for efficient retrieval and reporting.
- Micro-services & Pipelines: Designed and implemented micro-services architecture while being involved in pipelines and Docker configuration for streamlined CI/CD processes.
- API Design & Testing: Designed and tested GraphQL and REST APIs using Postman and GraphQL Playground, ensuring smooth communication across services and integration points.
- Sockets & gRPC: Gained experience working with real-time communication through sockets and gRPC in one of the projects.
- Managed application deployment and task tracking using Azure, optimizing pipeline workflows for improved efficiency.
- Collaborated with business analysts and QA to gather requirements and developed backend components using Java and Node.js, improving application performance.
- Participated in Agile sprint cycles as a contributor, collaborating with the team to complete project milestones on time for a web application development project.

## Developer and Consultant

Lyst Technologies

November 2021 - September 2023 / Beirut, Lebanon

- Developed back-end systems using Spring Boot and Entity Framework, implementing RESTful APIs to handle complex data queries and ensuring accurate data representation in the UI.
- Designed and implemented complex SQL queries, enhancing database performance by reducing data retrieval time.
- Designed RESTful APIs for the application, implementing data validation checks to ensure integrity, and tested functionality using Postman.

- Front-End & Cross-Platform Development: Integrated front-end components using Angular and Spring Boot, while working on cross-platform mobile applications using Angular and Ionic. Delivered responsive designs and smooth user experiences for both web and mobile platforms.
- Collaborated with business analysts and QA teams on a web application project to gather requirements, refine objectives, and align development processes, resulting in the launch of 5 key features within the timeline, enhancing user satisfaction.
- Collaborated with a team of 3 business analysts to gather requirements and deliver tailored software solutions, while advising clients on database optimizations.

## Full-Stack Developer

Codi

March 2021 - October 2021 / Beirut, Lebanon

- Developed several full-stack web applications using React and Node.js to process, analyze, and display real-time data from customer interactions.
- Designed and developed front-end interfaces for web applications and mobile apps, resulting in enhancing user experience and visual appeal.
- Developed back-end solutions using Node.js/Express and Laravel, focusing on robust data handling and efficient API communication.
- Participated in Agile sprints and collaborated with a cross-functional team to deliver software updates bi-weekly.
- Implemented PVB, Lean Canvas and User Stories.

## PROJECTS

### Game Dashboard

Developer

December 2022 - February 2023

- Developing the UI/UX design on Figma.
- Creating the Database Schema.
- Developing the backend with Nodejs/Express.
- Implemented a crypto payment gateway and email verification system to enhance secure transactions and user account management.
- Developing the frontend with React.
- Using Tailwind for styling.

### ERP Dashboard

Developer

August 2022 - October 2022

- Collaborated with two team members to co-create an ERP website for streamlined enterprise management.
- Developed the front-end and server side (React, Laravel and MySQL).

- Performed back-end validation to maintain consistent and error-free processes.
- Dockerized the project.
- Deployed with Heroku(back-end) and Netlify(front-end).

## E-commerce Freelance

Developer

July 2022 - August 2022

- Co-created a honey-selling website with two team members, leading the development of both the front-end and server-side using the MERN stack.
- Developed and maintained server-side architecture including models, controllers, configuration, middlewares, and routes.
- Used Cloudinary to save the images on a server.
- Designed and implemented the front-end using styled components for consistent and maintainable UI.
- Used Redux/toolkit to save the cart on localStorage.

## Art Gallery Website

Developer

May 2022 - June 2022

- Co-created an art gallery website in collaboration with two team members, enhancing user experience and showcasing diverse artwork.
- Developed the front-end and server side (MERN Stack).