

# Kirollos Atef

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Software engineering, especially in Back-End node.js (including JavaScript, TypeScript, and Express) development and related technologies; DevOps deep understanding, Distributed Systems, and OOP, data structures, and algorithms; Passionate about building scalable and efficient web applications and systems and am excited to apply my skills and knowledge to a software engineering position.

## Work Experience

### Software Engineer

**Geeker. co** ..... Sep 2023 – Present

- Contributing to a big microservices project [geeker.co](https://geeker.co) using NodeJS - NestJS - MongoDB - Reactjs - Python
- Developing and Designing a Payment System structure to accept a payment from different services

### Freelance Back-End Software Engineer | MERN

**Visual Art KSA** ..... Aug 2023 – Present

- Working on main project **Haraj Friday** a platform for auctions and also buying and selling
- Using Nodejs TS - Firebase - Docker - Docker Swarm

### Back-End Software Engineer

**ICreate Egypt** ..... Feb 2023 – Jun 2023

- **FM-Timber** ERP System for a timber export and supply company using NodeJs - PostgreSQL - ....
- **OYA** E-commerce project using TS - Nodejs - MongoDB - JWT - AWS - ....
- Resolved bugs and performance issues by identifying the root cause and implementing practical solutions.
- Conducted code reviews and provided feedback to team members, ensuring adherence to best practices and standards.

## Training & Development

**Enozom Software** ..... Jun 2023 – Jun 2023

- Completed the interactive web development internship using Nodejs and Reactjs
- Skills: React.js · Socket.io · JSON Web Token (JWT) · Node.js · Express.js · MySQL

**The Sparks Foundation** ..... Feb 2022 – Apr 2022

- created a Banking system with PHP - JS

### Egypt Future Work is Digital Scholarship (UDACITY) program

- Advanced Full-Stack Web Development course: (Typescript, Node.js, Express, PostgreSQL, REST APIs, Unit-testing Jasmine, Deployment process AWS, CircleCI pipeline, Agile)
- React Development Cross-Skilling course: (React fundamentals, Hooks, Routers, modern React).

### Google Developer Student Clubs program (GDSC)

- Node.js : (Node.js, Express, MongoDB, MySQL, Normalization in DB, MVC, Authentications, Unit-test, Validation, Caching, Deployment process)
- Software Engineering: (Project Management, High-level, and Low-level Design, Agile Scrum, Advanced Database Concepts, Distributed Systems, Software Architecture Patterns, and Case Studies on different applications)

## Activities & Volunteer

- **Head of DevOps Track** at GDSC Sep 2023 - Present
- Participated in problem-solving contests in **2021 and 2022 (ICPC)** ([My Work](#))
- **Technical Specialist at ICPC Damanhur** Sep 2021 - Present
- **BackEnd Mentor at GDSC Damanhur** June 2022 - Aug 2023 ([certificate](#))

## Education

Damanhure Univercity

**Pursuing a BENG in Computer Science and Information Technology**.....Sep 2020 - Present

- Bachelor of Computer Science (department: Information Systems), set to graduate in 2024 (GPA: 3.0/4.0)

## Projects

- **Social Network (APIs):** A Node.js project using Express, MongoDB, TypeScript, Repo Pattern, and Unit-test, The project is a professional social network web application (same as LinkedIn) that allows users to chat, pay online,...
- **Shopping:** Shopping App APIs using NodeJS, ExpressJS, TypeScript, Jasmine, PostgreSQL
- **Image Processing (APIs):** This is a simple REST API allowing users to resize images using the Sharp Node.js image processing module.
- **Blog App:** Blog App using Node.js, Express and MySQL, Sequelize, and EJS for view
- **Banking System :**
  - CRUD operations for a bank system using native JS for the front end and native PHP for the backend
  - Console App with Java using (OOP) #Inheritance , #Polymorphism , #Abstraction , #Interface

## Skills

- JS/TS - NodeJs (Express - Nest) - JWT - OAuth - Socket.IO - Unit Test - Caching - (Bun - Deno)
- MySQL - PostgreSQL - MongoDB - GraphQL - Redis
- CI/CD - AWS (EC2 - Elastic - S3 - RDS) - Docker - CircleCI - Heroku - Kubernetes
- ReactJs - Bootstrap - Tailwind
- **More:** Laravel - C++ - Python - Java - WordPress
- **Tools:** Git, Linux, open API, Swagger, postman, etc...

## Certifications

- MongoDB Node.js Developer Path ([LINK](#))
- Advanced Full-Stack Web Development ([LINK](#))
- Node.js Back-End Track GDSC ([LINK](#))
- Full-Stack intern completion ([LINK](#))
- React Development Cross-Skilling ([LINK](#))
- ACPC and Problem-solving Collection ([LINK](#))
- Software Engineering Track GDSC ([LINK](#))