

# AMDJED BELGACEM

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## EDUCATION

### Kadir Has University

Master of Engineering (M.Eng.) - Cyber Security

Istanbul, Turkey

October. 2022 - October. 2023

### Kadir Has University

Bachelor of Engineering (B.E.) - Computer Engineering

Istanbul, Turkey

October. 2018 - September. 2022

## EXPERIENCE

### Lead Full Stack Developer

Perinatal Medicine Co. / Media Medicine Co.

June 2024 – Present

Istanbul, Turkey

- Developed a medical-based social network using Next.js and GraphQL, increasing user engagement by 40%.
- Maintained and supervised multiple web applications in the medical field, ensuring 99.9% uptime.
- Led the architectural design for a new social media platform, integrating AWS and PostgreSQL for scalability.
- Established strategic plans and made critical decisions, effectively communicating them to a team of 10 developers.
- Implemented CI/CD pipelines with Docker and AWS, reducing deployment time by 30%.
- Mentored 5 junior developers, improving team code quality and delivery speed by 25%.
- Implemented unit and end-to-end automated testing workflows for Next.js applications using Jest, ensuring reliability and rapid issue resolution.

### Lead Full Stack Developer

PuzzMeta Co.

February 2024 – June 2024

Tekirdağ, Turkey

- Architected and built RESTful APIs using FastAPI and Node.js, supporting seamless third-party integrations.
- Conducted code reviews and mentored 3 junior developers, enhancing team productivity and code quality.
- Designed and implemented MongoDB schemas, optimizing data retrieval speed by 35%.
- Integrated React.js and Tailwind CSS for responsive frontends, improving user satisfaction scores by 20%.
- Led agile sprints, coordinating with cross-functional teams to deliver features ahead of schedule.

### AWS System Administrator

Sufle Io

January 2022 – August 2022

Istanbul, Turkey

- Designed and implemented VPCs, subnets, and security groups, enhancing network security for 10+ applications.
- Set up and managed Amazon RDS instances, achieving 99.99% database availability.
- Automated deployment processes using AWS CloudFormation and AWS CDK, reducing provisioning time by 50%.
- Progressed from mentee to key contributor, applying AWS best practices in real-world cloud projects.
- Optimized AWS resource usage, cutting infrastructure costs by 15% through efficient scaling policies.
- Implemented cybersecurity measures aligned with Conagilience frameworks, reducing vulnerabilities by 20%.

## TECHNICAL SKILLS

**Client-Side Development:** React.js, Next.js, Vue.js, Nuxt.js, React Native, Expo, Redux, Jotai, Zustand, Pinia, HTML5, CSS, JavaScript, TypeScript, Sass, Tailwind CSS, Bootstrap, Jest

**Server-Side Development:** GraphQL, Node.js, Express.js, tRPC, Bun.js, Laravel, GoLang, FastAPI.

**UI and Animation Libraries:** Framer Motion, Radix UI, Aceternity UI, Shadcn UI, Material UI, Chakra UI, Next UI, Geist.

**Databases and Toolkits:** MongoDB, MySQL, PostgreSQL, Prisma, Firebase, Firebase.

**DevOps:** Docker, AWS, Azure, Terraform, Git, Networking.

**Additional Skills:** NPM, NPX, Yarn, Bun, Languages (PHP, Python, R, Java, C++), Environments (Linux/Unix).

PROJECTS

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Media Medicine | *Next.js, GraphQL, Supabase, Zustand, PostgreSQL, Nexus, AWS, TypeScript, Node.js/Express.js*

- Created, handled, and maintained the structure of both databases successfully.
- Ensured fast performance with minimal load time through effective server management.
- Managed data pipelines between different databases.

PerinatalDb | *Vue.js, FastAPI, AWS, MongoDB, Pinia, Chart.js*

- Debugged and resolved all errors within the web application.
- Reduced load latency by 50%.
- Managed and updated the web application structure to align with the latest best practices.

Kolechay-Hena | *Next.js, GraphQL, Supabase, Stripe, AWS, PostgreSQL, TypeScript, Tailwind CSS*

- Developed a scalable e-commerce website with Next.js and GraphQL, supporting dynamic product catalogs.
- Integrated Stripe for secure payment processing, achieving 99.8% transaction success rate.
- Optimized AWS infrastructure for high availability, reducing checkout load time by 25%.
- Implemented responsive UI with Tailwind CSS, enhancing mobile user experience.

Medical Assessment App | *React Native, Firebase, AWS, TypeScript, Redux*

- Built a mobile app for medical assessments using React Native, enabling real-time patient data entry.
- Integrated Firebase for secure data storage and real-time updates, ensuring HIPAA compliance.
- Leveraged AWS Lambda for serverless backend processing, improving app scalability.
- Designed intuitive UI with Redux for state management, boosting user adoption by 30%.

ACHIEVEMENTS

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3rd Place, University Software Project Competition | *Faculty of Computer Engineering*

May 2023

- Developed a cloud-based web application, securing 3rd place among 30+ competing teams.
- Utilized AWS and React.js and Laravel to create a scalable, user-friendly solution for real-world use.
- Received faculty recognition for innovative design and technical execution.

Sufle Academic Excellence Award | *Sufle Io, Istanbul*

Jul 2022

- Earned a scholarship, mentorship, and internship for top performance in software engineering courses.
- Contributed to a cloud-based project at Sufle, applying AWS EC2 and S3 for deployment.
- Gained hands-on experience under expert mentorship, enhancing cloud development skills.

Dean’s List for Academic Excellence | *University Department of Computer Engineering*

2022 – 2023

- Achieved Dean’s List recognition for maintaining a GPA in the top 5% of the program.
- Demonstrated proficiency in advanced software development and database management courses.
- Invited to present a project at a university tech symposium, showcasing technical expertise.

CERTIFICATIONS

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Conagilience Cyber Resilience Foundation | *TACAS Consulting Limited, Credential ID: CCRF6E81A5C28F8F*

Dec 2022

- Completed foundational training in cyber resilience principles and practices.
- Learned techniques for identifying and mitigating cyber risks in organizational systems.
- Applied knowledge of security frameworks to enhance system robustness.

Frontend Web Development Certificate | *Online Course/Platform*

September 2023

- Acquired skills in modern frontend web development techniques.
- Developed responsive web interfaces using HTML, CSS, and JavaScript.
- Implemented interactive features with frameworks like React or Vue.js.

Sufle Student Mentorship Program Certificate (AWS Cloud Development) | *Sufle Io*

June 2024

- Gained expertise in AWS cloud development through structured mentorship.
- Designed and deployed scalable applications using AWS services like EC2 and S3.
- Collaborated on cloud-based projects to optimize infrastructure and performance.

SPOKEN LANGUAGES

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Languages | *Professional proficiency*

- English, Arabic, French, Turkish, German (Basic to intermediate)