

Contact

Dubai Sports City
#+971569490923 (Mobile)
abdelrahmansalembakry@gmail
.com

www.linkedin.com/in/abdelrahman-
bakry-39859464 (LinkedIn)

Top Skills

Architecture Management
Back-End Web Development
Engineering Management

Certifications

Project Management: Technical
Projects
Project Management: Preventing
Scope Creep
Ruby Scripting for DevOps
Project Management Foundations:
Lessons Learned
Programming Foundations: Software
Testing/QA

Abdelrahman Bakry

Software Architect | Engineering Manager | AI & Machine Learning
Enthusiast | Generative AI
Dubai, United Arab Emirates

Summary

Focused on the latest tech innovations, I specialize in integrating AI, machine learning, and generative AI into real-world applications. As a Software Architect and Engineering Manager, I leverage my expertise in JavaScript, Ruby on Rails, and Java to develop scalable, intelligent web and mobile solutions. My experience spans React.js, React Native, and Node.js, enabling me to design maintainable, cutting-edge software while leading teams to deliver complex projects. Always at the forefront of emerging trends, including generative AI, LLMs, and cloud-based solutions, I'm driven by a passion for building smarter, more efficient systems that harness the power of modern technology.

Explore my work on my GitHub profile: <https://github.com/Abakrii>.

Experience

Builder.ai

Software Technical Architect - AI & ML Solutions
February 2023 - Present (2 years 7 months)
Dubai, United Arab Emirates

- Designed and deployed AI-driven web/mobile apps using React, React Native, and Ruby on Rails.
- Integrated LLMs and RAG models with semantic search frameworks like Pinecone and Faiss.
- Led the optimization of vector search relevancy and indexing strategies using LangChain.
- Benchmarked and fine-tuned ML models (TensorFlow/PyTorch) with TPU/GPU acceleration.
- Presented AI solutions to clients and internal teams in English and Arabic.
- Mentored engineers on AI architecture and ML best practices.

Tradeling

Frontend Engineering Lead

December 2021 - February 2023 (1 year 3 months)

Dubai, United Arab Emirates

- Led frontend architecture restructuring using modular, feature-oriented design.
- Created reusable component libraries and implemented CI/CD pipelines via App Center.
- Improved app stability by reducing crash rates by 25% and boosting performance.

Mashreq Bank

Senior Frontend Engineer - Mobile & Web

January 2020 - December 2021 (2 years)

Dubai, United Arab Emirates

- Delivered 15+ React/React Native app journeys for retail and corporate banking.
- Built a bulk-upload tool for corporate onboarding, reducing setup time by 60%.
- Launched MENA's first smartwatch banking app using SwiftUI + React Native.
- Managed mobile CI/CD workflows and automated testing.

جامعة المجمعة | Majmaah University

Senior Frontend Developer - React Specialist

September 2018 - November 2019 (1 year 3 months)

Al-Majma'ah, Riyadh Region, Saudi Arabia

- Built cross-platform apps with React Native and TypeScript.
- Engineered encrypted and unencrypted persistent storage for mobile platforms.
- Developed and maintained backend APIs using PHP and Laravel stack.

Codersea

Full Stack Developer – Web & Mobile

October 2016 - November 2018 (2 years 2 months)

Bur Sa'id, Egypt

- Built and maintained mobile apps for Android/iOS with React Native.
- Implemented map-based views and secure local data storage.
- Delivered websites and dashboards in PHP; handled styling, UX, and deployment.

Petrogulf misr

Trainee Computer Systems Engineer

August 2015 - September 2015 (2 months)

Egypt

- Proficient in major networking components and hardware.
- Experienced in measurement, capacity, and tuning.
- Thorough understanding of Windows and UNIX systems.
- Familiar with static routing, SQL databases, and VMware.

Sinotharwa Drilling Company

Trainee IT Engineer

June 2014 - August 2014 (3 months)

Cairo, Egypt

- Administered and designed LANs, WANs, internet/intranet, and voice networks.
- Analyzed and developed key network components.
- Conducted network connectivity troubleshooting including ping and traceroute.

Education

Modern Academy Maadi

Bachelor's degree, Computer Science · (2012 - 2016)