Ahmed Belhadj

St. Petersburg, FL • ahmed-belhadj.github.io • linkedin.com/in/ahmed-belhadj
ahmed.belhadj@proton.me • 256-652-0408

Senior Software Engineer

Accomplished and collaborative Senior Software Engineer with years of industry experience, specializing in full-stack development, cloud technologies, and big data management. Proven track record of contributing to high-traffic applications, improving system performance, and building reliable infrastructure. Adept at leading successful projects, collaborating with cross-functional teams, and continuously learning new skills. Committed to delivering high-quality solutions.

SKILLS

Programming Languages: JavaScript, Python, TypeScript

Web Technologies: CSS, FastAPI, HTML, Next.js, Node.js, React, Tailwind CSS

Database Systems: MongoDB, Neo4j, PostgreSQL, Redis

Cloud Platforms: Amazon Web Services, Databricks, Google Cloud Platform, Snowflake, Terraform

Data Processing: Pandas, PyTorch, Scikit-Learn, TensorFlow

DevOps Tooling: Docker, Git, GitHub, Jenkins, Kubernetes

Data Visualization: D3.js, Power BI, Tableau

Testing: Automation, Integration, Jest, Pytest, Unit

Agile Methodologies: Kanban, Scrum

Soft Skills: Adaptable, Collaboration, Communication, Mentorship, Solution-oriented

WORK EXPERIENCE

Founding Partner   08/2024 - Present
Triplex AI • Tampa, FL

- Leading organizations in implementing AI solutions to streamline operations and optimize workflows.
- Guiding clients from ideation to execution, ensuring effective AI implementation and maximizing impact.
- Transitioning clients from manual processes to AI-driven solutions, resulting in smarter, faster, and more effective outcomes.

Senior Software Engineer   12/2022 - 08/2024
Apple • Remote

- Designed and developed scalable data pipelines using Pandas, Apache Airflow and AWS EKS to automate data ingestion, cleaning, and transformation, reducing data preparation and model training time by 100s of hours and enabling faster, more accurate LLM inference on millions of conversations monthly.
- Developed and contributed to features for a cutting-edge AI-powered chatbot used by millions, leveraging technologies like Node.js, React, Vue, Python, AWS and Kubernetes within a fast-paced Agile team environment.
- Created exceptional business user interfaces with Python and JavaScript while collaborating with engineers, designers and project strategists to deliver innovative technical solutions and solve problems.

- Supported high-traffic production Python and JavaScript applications, databases and Kubernetes clusters with 99.95% up-time and fixed bugs collaboratively and independently.

Software Engineer   08/2021 – 12/2022
Advocado • St. Louis, MO – Hybrid

- Architected and implemented a containerized microservices architecture for seamless migration to AWS EKS, achieving a significant reduction in deployment time and failures using Docker, Kubernetes, and Terraform.
- Developed software, fixed bugs, improved performance and features on a series of Node.js and Express.js APIs written in TypeScript and client web applications developed with React and Angular and deployed to AWS EKS, Lambda, EC2 and S3.
- Ensured the smooth operation of AWS services (Kinesis, S3 , EC2 , VPC, Elastic Beanstalk, CodePipeline, CloudWatch, EventBridge, Lambda, ECS, EKS, EMR, ElastiCache, MSK) and software releases, running them as securely and efficiently as possible.
- Designed, implemented and managed application health and security alerts, as well as monitored alert streams and responded to resolve production impacting issues directly and by engaging appropriate resources to work towards a resolution.

Web Developer   12/2017 – 07/2021
Gun.io • Remote

- Spearheaded legacy website modernization, achieving 30% faster page load times, enhanced aesthetics, and introduced electronic payment and file upload functionalities using JavaScript, Node.js, React, WordPress, and PayPal APIs.
- Elevated code quality and reduced errors by overseeing and approving 450+ pull requests through code reviews and stand-ups.
- Collaborated with 120+ developers on team projects utilizing a tech stack of JavaScript, React, Redux.js, GraphQL, Apollo, Node.js, and Express.js, boosting engineering productivity through detailed documentation and progress reporting to management.

Web Developer   08/2013 – 05/2014
The University of Alabama • Huntsville, AL

- Updated content on the school website using JavaScript, HTML, CSS & Joomla to provide information for each new school year and managed student records with Talisma CRM.
- Configured, troubleshot, & updated hardware & software components to ensure user usability & security.

EDUCATION

Bachelor's Degree in Computer Science

The University of Alabama

CERTIFICATIONS

Certified Cloud Practitioner

Amazon Web Services

VOLUNTEERING & LEADERSHIP

Industry Volunteer

Microsoft TEALS Program

Supporting computer science education in underserved high schools, mentoring teachers and empowering students with industry-driven curriculum.