

Mostafa Shahrabadi

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TECHNICAL SKILLS

PROGRAMMING LANGUAGES: Python, Java, C++, C (Unix Programming), JavaScript, Swift, PHP

BACKEND DEVELOPMENT: Node.js, Express.js, RESTful API, Microservices, WordPress

FRONTEND DEVELOPMENT: React, Next.js, Angular, React Native, HTML, CSS, SASS, Bootstrap, Tailwind CSS, Expo

CLOUD & DEVOPS: AWS (ECS, Fargate, DynamoDB, S3, Cognito), Docker, Multi-stage builds, CI/CD, Git

DATABASE MANAGEMENT: DB2, Oracle SQL Developer, MongoDB, Supabase, Firebase, Mongo Shell Scripting

MACHINE LEARNING: TensorFlow, Scikit-Learn, OpenCV, Pandas, NumPy, Matplotlib, MTCNN

DEVELOPMENT TOOLS: VS Code, IntelliJ IDEA, Xcode, Visual Studio, Jira, Visual Paradigm, AutoCAD, Adobe Journey Optimizer

PROJECTS

ChowHub | React, Next.js, Node.js, Express.js, MongoDB, JWT, Cloudinary, Claude 3 AI, Chart.js, Tailwind CSS

- Led a team of four developers through Agile methodology to plan, design and implement a restaurant management platform
- Architected full-stack solution with real-time inventory management, POS system, and AI-powered analytics
- Developed responsive dashboard with interactive visualizations for sales tracking and operational metrics
- Project URL: <https://chowhub.vercel.app/>

CloudDocs Microservice Platform | Node.js, Express.js, React, Next.js, AWS (DynamoDB, S3, Cognito, ECS), Docker, Jest, Sharp, OIDC

- Built full-stack microservice for managing text and image fragments with secure AWS Cognito authentication
- Deployed scalable AWS cloud architecture with DynamoDB for metadata storage, S3 for data persistence, and containerized deployment using Docker and AWS ECS/Fargate
- Created responsive React frontend with file uploads, real-time previews, and OAuth authentication
- Achieved 90%+ test coverage using Jest unit tests, Hurl integration tests, and local DynamoDB/S3 testing setup
- Project URL: <https://hub.docker.com/r/mostafa4490/cloud-docs>

EDUCATION

Advanced Diploma – Computer Programming & Analysis: Seneca Polytechnic, January 2023 – September 2025

Master of Science in Engineering: University of Birmingham (UK): September 2016

EXPERIENCES

Web Developer Intern: Qvestrade Financial Inc., Toronto, September 2024 – December 2024

- Maintained and enhanced external corporate websites and internal departmental Google Sites, programming new page layouts, UI components, and interactive features
- Collaborated with cross-functional teams to fulfill design requirements, integrate event tracking systems, migrate email templates, and resolve website issues, improving functionality and UI consistency

Project Engineer: Aldani Master Group, Toronto, June 2022 – November 2022

- Coordinated with engineers and contractors, ensuring layout designs meet project objectives and regulatory standards, reducing rework by 10%
- Executed site surveys and controlled project inspector assessments across 2 construction sites, improving project planning accuracy and minimizing errors