

Bavly Fayed

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WORK EXPERIENCE

Altec

Osceola, IA

Co-op/ Full time Full-stack

May 2025 - Present

- Contributed to the development and maintenance of internal software tools using Angular, TypeScript, and C# .NET, improving operational efficiency for manufacturing processes
- Developed and optimized RESTful APIs for communication between frontend components and backend services
- Utilized SQL Server to query and update production-related data, ensuring data consistency across systems
- Applied NgRx Component Store for efficient state management across Angular components, improving app scalability and maintainability.
- Improved front-end performance and usability across key internal applications through UI/UX enhancements and component optimization.

Vontas

Cedar Rapids, IA

Intern Back-end

Jun 2024 - Aug 2024

- Contributed to the development of a website using Spring Boot, assisting in streamlining backend processes.
- Supported the integration of RabbitMQ for asynchronous communication between services, aiding in the optimization of high-volume data transactions and ensuring message reliability in distributed systems.
- Assisted in implementing an MVC (Model-View-Controller) architecture to ensure a clean separation of concerns, enhancing code maintainability.
- Collaborated with senior developers to enhance application scalability and fault tolerance by utilizing message queuing and microservices architecture.

EDUCATION

Iowa State University

Ames, IA

Bachelor of Science: Computer Science

Graduation Date: May 2026

Project Experience

Group Project

Ames, IA

Android Application

- Designed and developed a collaborative Android application that enables users to seamlessly manage a shared calendar for scheduling events and appointments.
- Implemented intuitive user interfaces with responsive designs, ensuring a smooth and user-friendly experience across different devices.

Portfolio Generator Web-Based Application

- The application automates the creation of personalized portfolio websites by generating professional portfolios based on user inputs.
- The application allows users to customize sections like experience, projects, and contact information dynamically.

Skills

Java, Python, Mkdocs, HTML, CSS, Java Script, Node.Js, React, Sql Server, express Js, Spring Boot, Angular, Type Script, C#, .Net, git, RabbitMQ, JSP, MVC, NgRx, Kendo UI, Mongo DB , UI/UX.