

Bavly Fayed

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WORK EXPERIENCE

Vontas	Cedar Rapids, IA
<i>Intern</i>	<i>Jun 2024 - Aug 2024</i>
<ul style="list-style-type: none">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.Worked closely with cross-functional teams to deliver a robust, user-focused website, adhering to best practices in system architecture and software engineering.Utilized Hibernate for efficient data management and ORM (Object-Relational Mapping), improving database interaction and reducing boilerplate code.Collaborated with senior developers to enhance application scalability and fault tolerance by utilizing message queuing and microservices architecture.Gained experience in troubleshooting, debugging, and conducting performance testing to ensure the application's high availability and responsiveness.	

EDUCATION

Iowa State University	Ames, IA
<i>Bachelor of Science: Computer Science – Minor in Cybersecurity</i>	<i>Graduation Date: Dec 2026</i>

PROJECT EXPERIENCE

Group Project	Ames, IA
<i>Android Application</i> <ul style="list-style-type: none">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.	
Group Project	Des Moines, IA
<i>Saint Mary Coptic Church Website</i> <ul style="list-style-type: none">Collaborated with a small team to design and develop a professional, user-friendly church website using Markdown, including service schedules, events, and donation options.Implemented responsive design principles and integrated multimedia elements to optimize site navigation and enhance user engagement.	
Portfolio Website	
<i>Developer</i> <ul style="list-style-type: none">Developed a personal portfolio website to showcase skills, experience, and education.Designed an interactive layout to highlight key competencies in programming languages, software development, internships, optimizing for readability and user engagement.	
Portfolio Generator Web-Based Application	
<i>Developer</i> <ul style="list-style-type: none">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, OOP, Markdown language Mkdocs, HTML, CSS, Node.js, VS Code, Eclipse, Spring Boot, RabbitMQ, JSP, MVC, Android studio, Ruby, git, GitHub, MS Office.

LEADERSHIP EXPERIENCE

Member of a computer Science and software Engineer at Iowa State University	<i>Aug 2023 - Present</i>
Soccer Coach at Vision Soccer Academy	<i>2022 - 2024</i>

LANGUAGES	ARABIC (Native)	ENGLISH (Native)
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