Arka Sahoo

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US Citizen | Open to relocation anywhere in the United States

EDUCATION

University of Nebraska at Omaha — August 2023 – Present
Bachelor of Science in Computer Science, Minor in Management Information Systems — *Omaha, NE*
- Concentration: Software Engineering | Expected Graduation: December 2027
- Relevant Courses: CS 1, CS 2, Intro to Information Systems, Modern Mainframe and COBOL, C Programming, Data Structures, Discrete Mathematics, Managing in a Digital World, IT Ethics, Applied Statistics, Intro to Web Development, College Algebra, Applied Algebra, Trigonometry, Calculus 1, Public Speaking, Business Communications

TECHNICAL SKILLS

Languages: Java, Python, COBOL, SQL, JavaScript, HTML/CSS
Technologies: Spring Boot, JUnit 5, React.js, Tailwind CSS
Developer Tools: Git, GitHub, IntelliJ IDEA, VS Code, Eclipse IDE, OpenCobolIDE

EXPERIENCE

Fiserv Inc. — June 2025 – August 2025
Software Engineer Intern — *Omaha, NE*
- Contributed to redevelopment of a Banking Portal backend using Java and Spring Boot, collaborating with a team of 8 interns in an Agile environment
- Built backend components (data models, REST controllers) to support features like client document viewing as PDF and Zip file
- Assisted in testing and maintenance of production COBOL systems responsible for credit card transaction processing for major U.S. banks
- Gained cross-functional experience working on both modern Spring Boot applications and high-reliability COBOL systems used in large-scale financial operations

PROJECTS

Personal Website | *React.js, HTML, Tailwind CSS, JavaScript* — July 2025
- Developed a responsive and accessible personal website using React.js and Tailwind CSS, showcasing portfolio and professional information
- Implemented dynamic components and smooth navigation to enhance user experience and engagement
- Optimized website performance through code splitting and efficient asset management

Shipping Data Analytics | *COBOL* — April 2025
- Engineered a COBOL program to process shipping data and generate summary reports as flat files
- Designed record layouts for input and output files, structuring data for efficient read/write operations
- Delivered destination-wise annual summaries of package counts and total revenue in a formatted report
- Implemented logic to parse shipping records and transform raw data into actionable insights

Date Wizard | *Java Spring Boot, JUnit 5* — January 2025
- Engineered a Spring Boot REST API for date/time validation, format conversion, and Julian date computation
- Designed modular endpoints for leap year checks, day-of-week calculation, and flexible date comparisons
- Developed comprehensive unit and integration tests using JUnit5, ensuring accuracy across formats and time zones
- Delivered a modular architecture with clean separation between controllers, services, and utilities

Prepare | *JavaScript, Code.org App Lab* — April 2024
- Engineered a mental wellness app in JavaScript using Code.org App Lab, enabling users to receive personalized emotional support through an interactive, input-driven interface
- Designed features for stress-reduction tips, motivational content, and task-specific resources based on user input
- Led mental health-focused content development to deliver real-time, tailored wellness resources
- Collaborated in a 4-person team to create an accessible, user-centric tool for emotional preparedness

Additional Information

Certifications: Work Smarter with Microsoft Excel, Work Smarter with Microsoft PowerPoint
Interests: Chess, Cooking, Traveling, Hiking, Badminton, Photography