

# BEN FLORENCE AJ TIL

## JUNIOR SOFTWARE ENGINEER

### CONTACT

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### TECHNICAL SKILLS

**Frontend:** React.js, Tailwind CSS, HTML5, CSS3, JavaScript (ES6+)  
**Backend & APIs:** PHP, Node.js (basic), RESTful APIs  
**Databases:** MySQL, SQLite  
**Tools & Platforms:** Git, GitHub, Figma, Electron, GitHub Actions (CI/CD)  
**Other:** Unit Testing, API Integration, Cloud Synchronization, Responsive UI/UX

### EDUCATION

NOTRE DAME OF MARBEL  
UNIVERSITY  
**2021-2025**  
BACHELOR OF SCIENCE IN  
COMPUTER SCIENCE

### KEY STRENGTHS

Problem-Solving | Team  
Collaboration | Adaptability |  
Communication | Time  
Management

### SUMMARY

Junior Software Engineer skilled in React.js, PHP, and MySQL, with experience building offline-first web and mobile apps used by real users. Delivered a tabulation system that cut scoring time by 40% for 10+ event judges and analyzed 500,000+ records for customer insights. Agile team player with proven ability to turn complex problems into scalable, production-ready solutions.

### WORK EXPERIENCE

#### Full-Stack Developer and Graphic Designer (Internship)

EULAP

June 2024 – Aug 2024

- Built and deployed 3 cross-platform applications (PHP, React, Electron, MySQL, SQLite) for event scoring and management, reducing manual processes for organizers.
- Implemented offline-first architecture with cloud sync, enabling judges to score events seamlessly even without internet connectivity.
- Introduced unit and integration testing, decreasing bug reports by 25% and improving stability of releases.
- Streamlined Agile delivery with a 5-member dev team, cutting sprint cycle completion time by 15% through faster code reviews and improved task tracking.

### PROJECTS

#### 1. Flutter E-Commerce App (Flutter/Dart, Firebase Auth)

- Built a cross-platform e-commerce app with secure authentication, product catalog, and checkout flow.
- Integrated Firebase Authentication, ensuring safe account handling across devices.
- Optimized UI responsiveness, improving shopping experience and reducing cart abandonment during testing.

#### 2. E-Tourism Web Platform (HTML, PHP, JavaScript, MySQL, Disqus API) [🔗](#)

- Developed a booking and review platform with community-driven ratings.
- Improved navigation and site flow, increasing engagement during pilot testing with student and local users.

#### 3. Customer Segmentation & Clustering (Python, scikit-learn, Pandas) [🔗](#)

- Analyzed 500,000+ retail records using RFM and LRFMP models to segment customers.
- Benchmarked 3 clustering algorithms (K-Means, DBSCAN, Hierarchical), producing insights that identified high-value vs. at-risk groups for targeted marketing.
- Delivered recommendations that could enhance customer retention and campaign ROI.

#### 4. Festival Tabulation System (PHP, MySQL, SQLite) [🔗](#)

- Developed an offline-first scoring system with local-to-cloud sync and role-based access, deployed for 10+ judges.
- Reduced manual tabulation workload by 40% and improved scoring accuracy across events.
- Added Android-based remote input and auto-generated reports, digitizing end-to-end scoring operations.