KEVIN FERRER

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EDUCATION

Florida International University   Miami, FL
*Bachelor of Science in Computer Science; GPA: **3.7/4.0***   *Expected Aug. 2026*

EXPERIENCE

Bank United   May 2025 – Jul 2025
Cloud & DevOps Intern   *Miami Lakes, FL*
- Designed and deployed an **event-driven EC2 monitoring pipeline** using Amazon EventBridge, SNS, and CloudWatch, automating alerts and reducing manual monitoring by **80%**.
- Validated **production server configurations and disaster recovery processes** with AWS Elastic Disaster Recovery (DRS) and backups for **20+ critical workloads**, improving compliance and recovery readiness.
- Collaborated in daily stand-ups and contributed to automation design reviews, providing feedback on **5+ workflow implementations** that improved system reliability and team efficiency.

City of Coral Gables   Sep 2024 – Dec 2024
GIS Intern (IT Support)   *Coral Gables, FL*
- Led a team of **3** to implement Python-based phone call transcription scripts, reducing troubleshooting time for non-native English speakers by **30%**.
- Resolved **50+** hardware/software support tickets, improving operational efficiency and reducing downtime across multiple departments.
- Documented internal troubleshooting workflows and assisted onboarding of new interns, enhancing **knowledge sharing and team efficiency**.

PROJECTS

Face Cert AI | *Spring Boot, FaceAPI.js, FaceMatcher, Java*   Jan 2025 – Feb 2025
- Developed a **facial-recognition login system** using FaceAPI.js and FaceMatcher integrated with a Spring Boot backend, replacing password-based authentication.
- Implemented secure token handling and real-time validation, improving login security and reducing unauthorized access risks.
- Modularized backend services and documented APIs, enabling future expansion and seamless integration with other applications.

WorldWide Recipe Finder | *Node.js, React, Three.js, ChatGPT API*   Aug 2024 – Dec 2024
- Led backend development using **Node.js/Express** for a recipe search platform consuming public APIs; built endpoints for search, filtering, and recipe details.
- Leveraged the **ChatGPT API** to dynamically generate and enrich recipe data for 50+ countries, improving user engagement and international coverage.
- Collaborated with **4 team members** to integrate 3D recipe visualization via Three.js, enhancing interactivity and front-end immersion.
- Implemented error handling and optimized API calls for stable performance across devices and varying network conditions.

TECHNICAL SKILLS

Languages: Java, C, Python, HTML/CSS
Frameworks/Tools: React, Node.js, Spring Boot, PostgreSQL, AWS (EC2, S3, IAM, EventBridge, DRS), Git/GitHub
Concepts: Cloud automation, event-driven architecture, REST APIs, full-stack development, CI/CD

LEADERSHIP & INVOLVEMENT

ShellHacks Hackathon Participant (2022–2025): Led teams of 3–4 in cloud and full-stack projects; gained experience in rapid prototyping and team coordination.
Women in Computer Science Member: Contributed to peer learning events and mentored members in coding fundamentals and project workflows.
INIT Organization Member: Participated in student-led coding sessions and supported collaborative knowledge sharing.