

LUCIAN BADEA

PROFESSIONAL SUMMARY

Results-driven IT leader with a proven track record of delivering innovative technology solutions that align with institutional goals. Known for inspiring teams to achieve peak performance through clear direction, mentorship, and a collaborative approach, fostering loyalty and trust. Combines strategic vision with hands-on technical expertise to drive efficiency, reduce technical debt, and build scalable systems.

WORK EXPERIENCE

Director of Information Technology Services

Santa Fe College, Gainesville, FL

01/2020 – Present

- Lead application development teams (17 staff: 4 Business Analysts/Project Managers, 10 Developers, 1 DBA, 1 SQL/Reporting Expert, 1 Technical Architect) using Angular JS, Java Spring Boot, and DB2 to deliver college-wide IT solutions.
- Spearhead the rewrite and modernization of the Student Portal and College Application, reducing technical debt with streamlined, scalable systems.
- Maintain and enhance legacy staff applications, ensuring reliability while minimizing technical debt.
- Oversee integrations with third-party systems (ERPs, federal/state agencies, banks, financial aid, Clearinghouse, transcript exchanges, data warehouses), simplifying processes and improving efficiency.
- Enhance and sustain the Student Information System (SIS), addressing technical debt for long-term stability.
- Evaluate third-party solutions and vendors to align technology with college needs and reduce legacy dependencies.
- Manage college-wide operational reporting, improving data accessibility and usability.
- Conduct code reviews to maintain high standards and mentor team members.
- Provide software architecture guidance to ensure robust, scalable system designs.

- Deliver database design and optimization expertise, boosting performance and reliability for critical systems and reports.
- Review business analyst requirements to align projects with technical and institutional goals.
- Assign and schedule resources across projects, optimizing productivity and meeting deadlines.
- Balance conflicting priorities and timelines, ensuring timely delivery without compromising quality.
- Recruit and retain top talent, fostering upskilling opportunities to enhance team capabilities and growth.

Director of Technology

City of Gainesville, Gainesville, FL

07/2018 – 01/2020

- Directed city-wide technology projects (infrastructure and software), prioritizing tasks, defining timelines, and coordinating resources.
- Collaborated with stakeholders to assess needs, propose technical solutions, and define specifications for new software implementations.
- Led the city-wide rollout of a Workday ERP for HR, Finance, Risk Management, and Learning, managing data migration and system integrations.
- Built and managed ERP, Smart City, and Business Application Support teams, defining the city's technology roadmap.
- Established IT policies, governance processes, and strategic partnerships with entities like UF and local businesses.
- Negotiated SLAs and vendor contracts, evaluated cloud software, and projected departmental budget needs.
- Recruited talent and managed staff performance, training, and day-to-day operations.

Associate Director, IT

Division of Student Affairs, University of Florida, Gainesville, FL

11/2011 – 07/2018

- Managed cross-functional teams to develop and launch applications, transitioning from a 20+ year-old legacy system with clear roadmaps and timelines.
- Led the development of the Housing Management System (HMS), a comprehensive ERP replacing legacy systems with 90+ modules, 500+ web pages, and 100+ reports.
- Owned the Youth Conference Registration System (YCRS), a revenue-generating SaaS product, managing licensing, customization, and client delivery.
- Implemented ETL processes to migrate data from AS/400 to Oracle, improving data workflows.
- Optimized business processes using LEAN Six Sigma, reducing inefficiencies and enhancing performance.

- Provided technical expertise, oversaw application development (Oracle PL/SQL, SQL, Apex, SharePoint), and maintained legacy DB2/AS400 systems.
- Recruited and mentored talent, aligning team goals with strategic objectives.

Software Developer – Lead LifeSouth Community Blood Centers, Gainesville, FL

06/2004 – 11/2011

- Designed and developed core modules of IBBIS, an FDA-approved blood banking system, using Oracle (10-11g), PL/SQL, MFC, C++, Java Tapestry, and PHP.
- Architected Oracle and SQL Server databases, implementing replication for 100+ mobile and fixed sites using materialized views
- Built an enterprise document imaging solution using EMC Centera and developed Windows applications with MFC/C++.
- Established coding standards, trained developers, and supported QA and deployment processes.

Teaching/Research Assistant

University of Florida, Gainesville, FL

08/2002 – 05/2004

- Taught “Introduction to Java” labs, designed coursework, and graded assignments.
- Contributed to the SEEK project at the Database Center, developing a Java/Oracle query translator prototype.

Database and Systems Administrator

British American Tobacco, Bucharest, Romania

06/2000 – 07/2001

- Administered Oracle 8/9i databases, designed ETL processes for data warehousing, and optimized query performance.
- Earned the “Best ERP Implementation” award for synchronizing handheld devices with production databases.

PROJECTS

BFITR *(Available on Google Play and Apple App Store)*

- **Overview:** A fitness and nutrition tracking app that combines advanced analytics, workout planning, and social networking features. Users can monitor strength gains, workout volume, daily calorie intake, and body composition with intuitive charts and a built-in community leaderboard.
- **Tech Stack:**
 - **Frontend:** Vue.js + Vuetify + Material Design
 - **Backend:** Slim PHP microservices on DigitalOcean (Rocky Linux)
 - **Native App Shell:** Expo + React Native
 - **Database:** MySQL on DigitalOcean (Rocky Linux)
 - **Storage:** DigitalOcean Object Storage (for images)
- **Key Responsibilities & Achievements:**
 - Developed and optimized microservices for seamless data flow and performance.
 - Designed and deployed a cloud-based architecture for high availability. Implemented barcode scanning and robust food database integration to track daily nutrition.
 - Built social features, including workout sharing, friend interactions, and leaderboard rankings.

Robo Stats *(Available on Google Play and Apple App Store)*

- **Overview:** A comprehensive VEX robotics tool enabling competitors, coaches, and mentors to track performance, scout teams, use advanced TrueSkill rankings, and visualize competition progress over time. Built-in features include event reports with AI-driven analytics, match outcome predictions, integrated scouting tools, and a score calculator.
- **Tech Stack:**
 - **Frontend:** Vue.js (web) + Expo React Native (native app shell)
 - **Backend:** Cloudflare Workers (serverless)
 - **Database:** Cloudflare D2 serverless SQLite
- **Key Responsibilities & Achievements:**
 - Implemented an advanced TrueSkill ranking system for both VRC and IQ teams.
 - Developed AI-powered event reporting and real-time match outcome predictions.
 - Created integrated scouting lists and collaborative features for multiple team members.

- Deployed serverless architecture on Cloudflare Workers for scalable and cost-effective performance.
- Built a score calculator/timer feature for saved and analyzed practice runs, incorporating custom metrics for each VEX season.

EDUCATION

5/2004 University of Florida, Gainesville, Florida

Master of Science in Computer Science and Engineering

6/2000 Politehnica University of Bucharest, Bucharest, Romania

B.S. Computer Engineering

SKILLS

Databases

- MySQL, Oracle (PL/SQL), SQL Server, PostgreSQL, DB2, SQLite, MariaDB, Percona, Amazon Aurora, Cloudflare D1/D2, General RDBMS
- Database Design, Architecture, Performance Tuning, Master Replication, ETL Processes

Programming Languages & Frameworks

- JavaScript, TypeScript, Vue.js, React Native, PHP (SlimPHP, Phalcon), Python, C/C++ (MFC), Java
- HTML, CSS, jQuery, Material Design
- Expo (React Native Development)

Serverless & Cloud Technologies

- Cloudflare Workers, DigitalOcean Functions, AWS Lambda, AWS Elastic Beanstalk, Amazon RDS, Amazon EC2, Amazon Alexa Skills
- Microservices Architecture, REST APIs, JWT Authentication, Postman, AWS CloudFront
Third-Party Software Integration (Web Services/APIs)

Tools & Platforms

- SQL Developer, SQL*Plus, Toad, Enterprise Manager, Tableau, DBeaver, Oracle Apex
- Git, SVN, GitHub, Bitbucket
- Apache, Nginx, Tomcat, Memcached, Redis

- DigitalOcean, Linode, EC2

Operating Systems

- Windows, Linux (CentOS, Ubuntu, Red Hat), macOS, Android, iOS

Methodologies & Processes

- IBM RUP, ITSM (ITIL), SDLC, Agile
- Project Management, Process Mapping & Improvement, Strategic Planning, Business Analysis, Change Management

Soft Skills & Leadership

- Team Development, Management, Negotiation, Vendor Management, Problem-Solving, Conflict Resolution
- Clear Communication (Oral & Written), Team Building, Third-Party Software Integration (Web Services/APIs)
- Mentorship, Stakeholder Engagement, Budget Planning