NARIMAN RAZAVI

TECHNICAL PRODUCT & DATA PLATFORM LEADER | FACILITIES / ASSET MANAGEMENT | ENTERPRISE SOFTWARE

Baton Rouge, LA | nrazav2@lsu.edu | LinkedIn | GitHub | Google Scholar

PROFESSIONAL SUMMARY

Technical product and enterprise applications leader with 18+ years across software engineering, project leadership, data analytics, enterprise architecture, and digital transformation. Currently manage mission-critical applications and data workflows for LSU Facility Services, with hands-on experience in Accruent/FAMIS facilities-management systems, APIs, SQL, Python automation, Cognos analytics, databases, and enterprise integrations. Combine deep technical fluency with stakeholder-facing problem solving to translate operational needs into scalable applications, data products, reporting, and process improvements. Ph.D. research in intelligent facility management applies robotics, sensors, and data analytics to improve indoor environmental quality and facility decision-making.

CORE STRENGTHS

Product & Platform
Product strategy • Roadmaps • Backlog prioritization • Requirements • Agile / Scrum

Data & Analytics
SQL • Data modeling • APIs • ETL/data workflows • IBM Cognos • KPI/reporting

Enterprise Software
Accruent/FAMIS • ERP/CRM • Workflow automation • Enterprise architecture • SDLC

Engineering
Python • R • Java • C++ • JavaScript • React • Node.js • PostgreSQL

AI / Research
Machine learning • Deep learning • Computer vision • ROS 2 • Sensor analytics

Leadership
Cross-functional delivery • Stakeholder management • Business analysis • Team leadership

Methods
Statistics • Experimentation • Regression • Data quality • Process improvement

Tools
Selenium • Flask • Tkinter • JIRA • Git/GitHub • JMeter

Domain
Facilities • Asset management • Construction tech • Robotics • Operational systems

PROFESSIONAL EXPERIENCE

IT Applications Manager | Louisiana State University — Jun 2021 - Present

Baton Rouge, LA

- Own and support enterprise applications used by Facility Services, connecting operational teams, IT, vendors, and data stakeholders to improve facility and asset-management workflows.
- Lead administration, integration, analytics, and automation around Accruent/FAMIS, including API-based data exchange, application configuration, databases, Python automation, and IBM Cognos reporting.
- Translate business and operational needs into technical requirements, prioritized enhancements, integrations, reports, and automation solutions; balance user value, data quality, maintainability, and delivery constraints.
- Develop and maintain Python and Perl applications and services, enterprise APIs, web applications, scheduled data processes, and database-backed workflows supporting high-volume operational data.
- Build analytics and reporting solutions that turn work-order, labor, cost, asset, customer, and financial data into decision-ready information for facility operations and management.
- Manage application deployments, upgrades, troubleshooting, access, data integrity, and ongoing lifecycle support across integrated enterprise systems.

Research Assistant - Intelligent Facility Management | Louisiana State University — Aug 2020 - Present

Baton Rouge, LA

- Research autonomous robotic sensing and data-driven methods for intelligent facility management and indoor environmental quality (IEQ).
- Designed and developed mapping, mission-planning, path-planning, and navigation tools for mobile robots; integrated robot, environmental sensor, and experiment data for analysis.
- Published and presented “Towards Intelligent Facility Management: Autonomous Robotic Sensing for Enhanced Indoor Environmental Quality” in ASCE Computing in Civil Engineering proceedings (2026).

Data Scientist | **Pennington Biomedical Research Center** **2019 - 2020**

Baton Rouge, LA

- Designed datasets and machine-learning/data-analysis pipelines for NHANES research, applying statistical analysis and reproducible data preparation to large public-health datasets.

Graduate Research Assistant | **Southern University and A&M College** **2017 - 2019**

Baton Rouge, LA

- Built image datasets and deep-learning pipelines using transfer learning / Inception-V3 for automated defect detection in additive manufacturing; research reported up to 91.7% defect-detection accuracy.
- Applied pattern-recognition and NLP techniques to market-basket and chatbot-oriented research; received Best Graduate Poster Presentation recognition at the Louisiana Academy of Sciences.

Software Engineer | **Pars-Tamin Co.** **2013 - 2016**

Tehran, Iran

- Developed enterprise data-management services, workflow/BPM solutions using Bonita, CRM capabilities using Liferay, BI solutions using QlikView, and automated QA/performance tests with Selenium and JMeter.

Enterprise Architect / Software Engineer | **Information-Systems Co.** **2006 - 2012**

Tehran, Iran

- Led enterprise architecture, systems analysis, business/IT alignment, reporting, and process-improvement initiatives using ITIL, COBIT, Zachman, EAP, BPMN, Agile/RUP, and related methodologies.
- Created analytical and management tools, reference architectures, and business-process designs to align technology investments with organizational objectives.

EDUCATION

Ph.D., Construction Management | **Louisiana State University** **2020 - 2026**

- Dissertation focus: autonomous robotic sensing, indoor environmental quality, mobile sensing methodology, data analytics, and intelligent facility management.

M.S., Computer Science | **Southern University and A&M College** **2019**

M.S., Computer Science | **Shiraz University** **2005**

SELECTED PUBLICATIONS & TECHNICAL CONTRIBUTIONS

- Towards Intelligent Facility Management: Autonomous Robotic Sensing for Enhanced Indoor Environmental Quality. ASCE Computing in Civil Engineering, published online 2026.
- Automated Quality and Process Control for Additive Manufacturing using Deep Convolutional Neural Networks. Recent Progress in Materials, 2021.
- Calf circumference: cutoff values from the NHANES 1999-2006. The American Journal of Clinical Nutrition, 2021.
- Toward Enabling a Reliable Quality Monitoring System for Additive Manufacturing Process using Deep Convolutional Neural Networks. arXiv, 2020.
- Smart Additive Manufacturing Empowered by a Closed-Loop Machine Learning Algorithm. SPIE Smart Structures + Nondestructive Evaluation, 2019.