

# Matias Brennan

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## SUMMARY

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Results-driven data architect experienced in designing data infrastructure solutions within healthcare. Skilled in translating raw data into actionable insights that enhance business growth and operational efficiency. Proven leadership in guiding teams through data transformation projects while maintaining compliance with industry regulations like HIPAA. Capable of developing data pipelines and innovative integration strategies to meet evolving healthcare challenges. Eager to contribute expertise in crafting impactful data management systems, fostering collaboration with key stakeholders, and driving the future of health data analytics.

## EXPERIENCE

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**Senior Data Architect** January 2021 - Present  
Future Health Dynamics *Naperville, IL*

Currently steering the design and deployment of innovative data architecture solutions aimed at enhancing healthcare service effectiveness. Mentor junior staff in architectural best practices and foster a collaborative workplace culture.

- Lead initiatives for developing scalable data architectures that improve operational efficiency across healthcare services.
- Collaborate cross-functionally to integrate data solutions that deliver significant employee and patient insights.
- Mentor junior data engineers, encouraging their professional development and enhancing team capabilities.
- Ensure all solutions comply with healthcare data governance and regulatory standards.

**Data Architect** June 2016 - December 2020  
Health Data Innovations *Peoria, IL*

Focused on building robust data pipeline processes that streamline and optimize healthcare data handling within a fast-paced environment.

- Developed and maintained effective data integration pipelines tailored to healthcare scenarios.
- Worked closely with stakeholders to align projects with strategic organizational goals.
- Conducted thorough analyses leading to potential improvements in existing data frameworks.
- Facilitated workshops on data management best practices improving overall input from teams.

**Data Engineer** May 2014 - May 2016  
MedAnalytics Solutions *Champaign, IL*

Executed the design and implementation of advanced data transformation techniques supporting analytics and reporting tools.

- Created efficient processes to support operational needs for reporting through quality data transformation.
- Played a key role in integrating disparate healthcare data systems ensuring everything was HIPAA compliant.
- Served as a technical bridge between clinical teams and IT departments facilitating smooth communication.
- Utilized Python and SQL for data manipulation enhancing the capability of backend processes.

## LEADERSHIP & AWARDS

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- Certified Data Management Professional (CDMP) awarded 2020
- Certified Health Data Analyst (CHDA) awarded 2018

## EDUCATION

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**Bachelor's Degree in Computer Science** 2014  
University of Illinois Urbana-Champaign GPA: 3.8 *Urbana-Champaign, IL*

**Coursework:** *Data Structures, Database Management, Software Engineering, Systems Analysis*

## CERTIFICATIONS

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- Certified Data Management Professional (CDMP) 📅 2020
- Certified Health Data Analyst (CHDA) 📅 2018

## TECHNICAL SKILLS

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- **Data Integration Tools:** Apache Kafka, Talend, Fivetran
- **Programming Languages:** Python, SQL, R
- **Cloud Platforms:** AWS, GCP, Azure
- **Healthcare Standards:** HL7, FHIR, X12
- **Data Visualization Tools:** Tableau, Power BI, Looker

- **Database Management Systems:** MySQL, MongoDB, PostgreSQL
- **Version Control Tools:** Git, SVN, Mercurial
- **ETL Tools:** Apache NiFi, Informatica, SSIS
- **DevOps Practices:** Docker, Kubernetes, CI/CD
- **Analysis Frameworks:** Pandas, Scikit-learn, NumPy

**SKILLS**

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- Data Architecture
- Data Integration
- Python
- SQL
- Healthcare Compliance
- Team Leadership
- Stakeholder Engagement
- Data Analytics
- Integration Engines
- Data Pipelines
- HL7 v2
- FHIR R4
- Reporting Tools
- Collaboration
- Database Design
- ETL Processes

**PROFESSIONAL AFFILIATIONS**

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- Member of Healthcare Information and Management Systems Society (HIMSS)
- Active volunteer for local health data stewardship programs

**LANGUAGES**

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- English (Native)
- Spanish (Proficient)

**ADDITIONAL INFORMATION**

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**Work Status** : Authorized to work in United States. No sponsorship required.

**REFERENCES**

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AVAILABLE ON REQUEST