

THOMAS BURGHARDT

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SKILLS

Backend (Java, Python ext.)

Front End (HTML5, CSS, JS)

ML (SkLearn, Weka, Spark ext.)

DB (SQL, Mongo, Redis ext.)

Cloud (AWS, IBM)

Automation

UX

Strategic Roadmaps

Client Engagement

Team Management

Professional Services

Recruiting

Product Development

SAAS

SUMMARY

Results-driven Full Stack Developer with a proven track record of leading software and data science teams in the development of enterprise CRM applications for B2B customers. Expertise in implementing data-driven cutting-edge technologies, and delivering high-quality solutions that enhance business operations and drive revenue growth.

EXPERIENCE

DATA SCIENCE AND TECHNOLOGY CONSULTANT | 2023+

Continuation of former roles in various advisory capacities.

CHIEF TECHNOLOGY OFFICER | SALESCHOICE (2016-2022)

Led software engineers and data scientists to develop enterprise CRM applications for B2B customers, as well as AI driven professional service contracts.

- Oversaw the development of our techstack along with the direction of our product and infrastructure.
- Worked with some of Canada's leading B2B and logistic companies spanning multi-year contracts ensuring the success of the client and the delivery of products/services.
- Managed client goals and successfully coordinated with stakeholders to ensure product success.
- Actively participated in comprehensive security reviews with clients that covered a broad range of topics including encryption, data storage, network architecture and infrastructure.
- Worked with system administrators and security specialists to prepare for client onboarding and installation.
- Oversaw a multidisciplinary team providing clear direction, setting objectives, and fostering a collaborative and agile work environment to achieve project milestones and deliver high-quality results.
- Effectively communicated technical requirements, ensured efficient resource allocation, managed timelines and deliverables.
- Led the strategic evaluation and scoping of integration possibilities to optimize technology infrastructure and drive operational efficiency.
- Drove the adoption of Agile methodologies, heading up daily stand-ups and sprint planning.
- Conducted technical interviews and participated in the hiring process to expand the team.

DATA SCIENTIST | SALESCHOICE (2015-2022)

Built predictive modeling solutions for enterprise CRM applications along with custom AI deliverables for B2B professional service contracts.

- Deep experience in data cleansing, feature / model selection, feature engineering, and parameter tuning.
- Updated backend algorithms to improve predictive accuracy and help provide explanations for insights and predictions.
- Used tools such as Numpy, Pandas, Weka and Spark to analyze / digest data along with libraries such as SHAP for extra emphasis on explaining predictions and insights.
- Onboarded clients and trained custom models to accommodate different business practices and vastly different datasets.
- Utilized a combination of data analysis, statistical modeling, machine learning / AI, and predictive analytics solve complex business challenges, extract actionable insights and drive data-informed decision-making.
- Provided quantifiable ROIs of up to \$500k on a single contract.

FULL STACK DEVELOPER | SALESCHOICE (2014-2022)

Built out enterprise multi-tenant applications and oversaw the development of their accompanying infrastructure and client facing applications.

- Built responsive dashboards and visualizations to communicate insights and help users easily digest and apply real-time analytics using *HTML, CSS, JavaScript and Angular*, along with popular data visualization libraries like *D3.js, Chart.js, Plotly and Seaborn*.
- Designed and implemented server-side API calls along with the accompanying front-end features to build out the product.
- Maintained and expanded our AWS environment
- Wrote unit tests with libraries such as Mockito and ngMock
- Provided thorough documentation and commit descriptions for easy understanding and tracking of our codebase.
- Conducted penetration testing, and vulnerability assessments with tools like JUnit and Burp to ensure adherence to best practices and industry standards.

AWARDS

Digital Transformation Award for AI Disruption

by ITWorld Canada

Most Outstanding AI-Based Sales Analytics Platform 2021 – Canada

by UK-based AI Global Media Ltd.'s Corporate Vision Magazine

Great User Experience Award

by FinancesOnline

EDUCATION

CONCORDIA UNIVERSITY, MONTREAL, QC | 2009-2013

Bachelor of Mathematics and Statistics,
Minor in Computer Science