

Storm Schutte, Leader / Machine Learning Engineer

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LINKS

[Linkedin](#), [ORCID](#)

PROFILE

Results-driven Machine Learning Engineer and technology leader with over 14 years of experience driving innovation across diverse industries. Proven track record of building and deploying AI solutions and application systems that solve complex business problems and improve operational efficiency. Adept at leading cross-functional teams and bridging the gap between technical and executive stakeholders to align engineering initiatives with strategic objectives. Demonstrated expertise in machine learning, cloud architecture, and software development, with a passion for leveraging data-driven insights to drive product excellence. Recognized for strong problem-solving skills, continuous learning, and the ability to adapt quickly to new challenges and technologies.

PUBLICATIONS

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| 2024 | Deep Segmentation Techniques for Breast Cancer Diagnosis <ul style="list-style-type: none">• Go to LINK |
| 2023 | Big Data Tools, Deep Learning & 3D Objects in the Metaverse <ul style="list-style-type: none">• Go to LINK |
| 2025 | Real-time IoT security framework for detecting a person with a weapon using Raspberry Pi, Google Vertex AI, and AWS <ul style="list-style-type: none">• Go to LINK |
| 2025 | Optimizing Content for Educational Curricula with Large Language Models (LLMs) <ul style="list-style-type: none">• Go to LINK |
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EMPLOYMENT HISTORY

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| 2022 — Present | Data Scientist / Senior Developer, Silver Cloud B.V. <p>Led the development and deployment of machine learning solutions at Silver Cloud B.V, with a strong focus on Natural Language Processing (NLP) using frameworks such as TensorFlow, PyTorch, and spaCy. Integrated large-scale language models (LLMs) to enhance product capabilities, driving an increase in model accuracy and leading to new product offerings. Architected and managed cloud infrastructure (AWS/GCP), achieving high availability and scalability for AI services. Provided strategic guidance on backend and frontend architecture, ensuring seamless system integration and boosting development efficiency. Collaborated cross-functionally to align AI initiatives with overall business strategy, positioning Silver Cloud as a competitive player in the AI sector.</p> |
| 2017 — 2022 | Co-founder, SableApps (pty) ltd <p>Founded and led SableApps Pty (Ltd), delivering over 8 major and multiple minor Python/Django-based applications for a diverse client base across healthcare, education, and finance sectors. Spearheaded the development of an intelligent adaptive testing platform for hospital nurses, funded by the Korean Government, enhancing assessment accuracy and workforce management. Built a comprehensive school management system integrating attendance, financial tracking, class management, and payment solutions, improving administrative efficiency for educational institutions. Developed a trading credibility platform for a Dutch firm, leveraging stock market APIs and peer evaluations to enhance investment decision-making. Directed all aspects of product development, team leadership, and client consulting, establishing a strong reputation for delivering scalable, user-centric software solutions.</p> |

2018 — 2019	<p>Developer Team Leader, CornWare</p> <p>Led the development of a quality control application for multi-business deployment, leveraging Azure Cloud, Django, and Microsoft SQL Database to ensure robust scalability and security. Managed a team of four developers to deliver a hospital staff management platform, introducing a smart testing system AI oriented. Architected real-time tracking and quality assurance across departments, enhancing overall operational transparency and resource allocation.</p>
2014 — 2017	<p>International Manager, Sunae</p> <p>I oversaw a diverse team at Sunae spanning the U.S.A, Australia, China, Brazil, South Africa, Russia, and Japan. My primary responsibility was to provide guidance and support to the country representatives, ensuring active communication between them and senior management. Additionally, I took the lead in IT operations for our international centers, which entailed conceptualizing, designing, and managing intergrated systems</p>
2007 — 2011	<p>IT Manager, Swirthair (pty) ltd</p> <p>Promoted to Director at Switchair (Pty) Ltd after starting in IT and corporate sales roles. Worked closely with major clients like Anglo American, BTX, Longmin, and Amplats Platinum Mines. Helped secure and manage large corporate contracts. Led IT projects to design, build, and manage server rooms (data centers) for these clients, making sure they were reliable and future-ready. Worked between technical teams and company management to deliver strong results that met client needs.</p>

EDUCATION

2024	Masters in Artificial Intelligence in Machine/Deep Learning , Woosong University, South Korea - GPA 4.2
2018	Undergrad Global Media & Programming, Sol International University, South Korea - GPA 4.3
2012	Jeju National University, Certificate in Korean Language
2007	High School Matric - Private German School

CERTIFICATIONS

A Complete Guide on TensorFlow 2.0 using Keras API, Deep Learning from a New Perspective, Vector DBs and Semantic Search, NEO4J, Advanced Algorithms, AWS, Google Certified Associate Cloud, AWS SageMaker Practical, Big Data & Hadoop, Complete React Developer, Deep Python Studies, Internet of things (IOT) Arduino & Python, Mastering Django Web Development, PostgreSQL Complete, Data Science Tools, The Ultimate Hands-On Hadoop,

SKILLS

- **Project Management:** Agile, Embedded Teams
- **AI/ML Expertise:** Deep Learning (Neural Networks, CNNs, RNNs), Computer Vision, Natural Language Processing, Machine Learning Algorithms (Classification, Regression, Clustering), Data Analytics, MLOps
- **Programming Languages:** Python, R, JavaScript
- **Frameworks & Libraries:** TensorFlow, PyTorch, Keras, scikit-learn, Pandas, NumPy, Hadoop Apache Spark
- **Cloud Platforms:** Amazon Web Services (AWS), Google Cloud Portal (GCP), Microsoft Azure
- **DevOps & Tools:** Docker, Git, Linux Server, Microsoft Server
- **Databases:** Vector DB (Weaviate), MySQL, PostgreSQL, MongoDB, Redis