CHETAN SINGH

SOFTWARE ENGINEERING / PRODUCT DEVELOPMENT

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Software engineer and product lead building commercial products from the ground up. Experience in backend systems, API integrations, and applied NLP. CTO and Product Lead at Pinak AI Solutions, focused on international shipping and logistics.

EXPERIENCE

CTO and Product Lead
PINAK AI SOLUTIONS
Jun 2026 - Present | Part-time, remote

- Built an international shipping platform for **QuickGlobal.in** and **QuickLook.in**, supporting tracking and data flow from dispatch to final delivery.
- Develop backend systems with **Python, JavaScript, Node.js, and MongoDB**; lead architecture and product decisions for commercial scalability.

Data Scientist and Backend Developer
100 WORTE SPRACHANALYSE GMBH / PSYCHOLOGICAL AI
Aug 2021 - Feb 2025 | Heilbronn, Germany

- Built a **recruitment campaign product from the ground up**, combining automated outreach with candidate psychological profiling.
- Developed microservices, REST APIs, external API integrations, and backend features using **Node.js, MongoDB, and Python**.
- Implemented LinkedIn messaging automation, sentence complexity detection, and speech identification with user recommendations.
- Built NLP pipelines with PyTorch, spaCy, BERT, and GPT-2; used GitLab and Jenkins for development workflows.
- Preprocessed and analyzed text data to support NLP pipelines.

Data Science Intern and Master Thesis Student
100 WORTE SPRACHANALYSE GMBH / PSYCHOLOGICAL AI
Mar 2020 - Jul 2021 | Heilbronn, Germany

- Developed LSTM language models for text generation and **text classification**, and **controlled text generation methods using GPT-2** to guide output by keywords, style, and tone.
- Built REST APIs and data microservices, implemented Elasticsearch search, and evaluated NLP outputs with explainability techniques.

Junior Software Developer
ALTERATION INNOTECH PVT. LTD.
Jul 2017 - Apr 2018 | Pune, India

- Built applications, backend services, and APIs to control **hardware and Internet of Things (IoT) devices** using PHP, MySQL, and MongoDB.

TECHNICAL SKILLS

Languages
Python, JavaScript
Java, C++

Backend
Node.js, REST APIs
Microservices, MERN

Data
MongoDB, MySQL
Elasticsearch

Tools
Git, GitLab, Jenkins
AWS, Linux

Machine learning
PyTorch, TensorFlow
scikit-learn, spaCy
Transformers

EDUCATION

M.Sc. Data and Knowledge Engineering
Otto von Guericke University Magdeburg
2018 - 2022

B.Eng. Computer Science and Engineering
Gujarat Technological University
2013 - 2017

LANGUAGES

German: Basic
English: Professional proficiency
Hindi, Gujarati

INDEPENDENT WORK

Build independent software projects outside work.