# Jan Kuhta

**COMPUTER SCIENCE ENGINEER**
— **Software Developer at Medius.si** —

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Click here for my portfolio

## WORK EXPERIENCE

### FULL STACK DEVELOPER

**Medius.si**, a custom software developement company, that designs and develops business-critical applications
Apr 2024 to present (1 year)
- backend coding in Java Quarkus
- frontend coding in Angular

### WEB QA MANUAL TESTER

**Plume Design, inc.,** a global tech firm that specializes in smart home solutions and Wi-Fi optimization.
Feb 2022 to Dec 2022 (11 months)
- conducting extensive Quality Assurance Testing, including regression testing

## PUBLICATIONS AND RESEARCH

### COFERENCE PAPER

- Jan Kuhta, Zoran Bosnić, "*Concept drift detection in image data streams using the Gan Loss Drift Detection Method (GLDD)*", Proceedings of the 33rd International Electrotechnical and Computer Science Conference (ERK 2024), Portorož, Slovenia, September 2024. Presented at the conference.

### COMPETITION REPORT

- Jan Kuhta, Rok Rajher, Gasper Spagnolo: "State-of-the-art CTR and CVR Architectures", A report created during the 3-month Data Science Competition organized by Faculty of Computer and Information Science, Ljubljana, Spring 2024.

## EDUCATION

### BACHELOR OF COMPUTER AND INFORMATION SCIENCE

**University of Ljubljana, Faculty of Computer and Information Science**
Year of Graduation: 2024
- Zois scholarship
- Grade: 8.8 (top 15%)
- Bachelor's Degree

### HIGH SCHOOL GRADUATE

**II. gimnazija Maribor**
Year of Graduation: 2019
- High School Diploma
- Zois Scholarship

## SKILLS

- Programming Languages: **Python**, **Java**, Node.js, C, SQL
- AI & ML: **PyTorch, Sklearn, Pandas, NumPy, Matplotlib, Cv2, Jupyter**
- Web Development: **ReactJS, TypeScript, Angular, HTML, CSS**
- Version Control & Tools: **Git, GitLab**, Jira, TestRail, Docker
- Design & Creative Tools: Adobe Photoshop, Illustrator, Blender
- Other: LaTeX

## LANGUAGES

- Slovene (native)
- English (C1)
- German (B2)
- Croatian (B1)

# PROJECTS

## ACADEMIC PROJECTS

- **Bachelor's Thesis:** "Concept Drift Detection in Incremental Learning of Generative Adversarial Networks"
  - Technologies: Python (Pytorch, River, Numpy, Cv2, Matplotlib)
  - Investigated concept drift detection in image data streams using GAN-based models
- **BicikeLj Prediction Model** - a predictive model to estimate bike station capacity for a public bike service Ljubljana
  - Technologies: Python (Sklearn, Pandas, Matplotlib, Numpy)
  - 3rd place, Faculty Competition
- **ROS TurtleBot RoboSheriff** - an intelligent and robust coherent system, in which the robot had to navigate through the polygon, extract information from the environment, process data and find the robber.
  - Technologies: ROS, Python, C++
- **Movie-Watchers Platform** - a full-stack app designed to track and manage users' movie-watching activities
  - Technologies: Node.js, Angular, JavaScript, TypeScript
- **Microservice for Price Comparison App** - a microservice to support the backend of a price comparison platform
  - Technologies: Java (Java EE, Maven, JAX-RS API, Entity-Service-Repository structure)

## HOBBY PROJECTS

- **Advent of Code** - (https://github.com/jkuhta/Advent-of-Code)
  - 2023 (Python)
  - 2024 (Java)
- **Portfolio Website** - a personal website (www.jankuhta.com)
  - Technologies: ReactJS, HTML, CSS
- **Frontend for Clothing Store Website** - (https://pnppls-clothing.pages.dev)
  - Technologies: ReactJS, HTML, CSS
- **Full Stack Application for Employee Time Tracking**
  - Technologies: Node.js, ReactJS, HTML, CSS

## FREELANCE/CLIENT PROJECTS

- **Excel Manipulator (Freestyle.d.o.o)** - excel tool for shipment plan grouping, processing, and table reorganization.
  - Technologies: Python (openpyxl, Pandas, Numpy, Flask)

# VOLUNTEER WORK, AWARDS, AFFILIATIONS, AND INTERESTS

## AWARDS

**1st place in EESTech Hackathon**
EESTech Challange
2021

**Silver Award in National Economics Competition**
DMFA Slovenia
2019

## CERTIFICATE

**Deutsche Sprachdiplom (DSD)**
Zentralstelle für das Auslandsschulwesen (ZfA)
2019

**IELTS Academic**
British Council
2024

## INTERESTS

- Music (Guitar, Piano)
- Photography
- Traveling
- Sports (Kitesurfing, Snowboarding, Basketball, Acrobatics)

## PARTICIPATION

**DataScience@UL-FRI Competition**
Mar 2024 - Jun 2024
Faculty of Computer and Information Science, University of Ljubljana
State-of-the-art CTR and CVR Architectures working with company **Outbrain**

**Povio Academy Conference 2025**
Mar 2025
Technology-focused event on innovation and career development in the tech industry.

## MEMBER

**Member of EESTEC LC Ljubljana**
2023 to 2024
A student organization that facilitates cultural exchange and professional growth for electrical engineering and computer science students across Europe.