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SUMMARY

Software Developer with almost 3 years of experience in developing automation applications for the construction industry. Graduate with a degree in Electronics and Telecommunications Engineering from Ho Chi Minh City University of Technology. Proficient in Python and C#, with experience in Agile work environments. Eager to learn new technologies and apply them to real-world projects.

TECHNICAL SKILLS

- **Programming Languages:** Python, C# (Basic), JavaScript, HTML (Basic)
- **Frameworks & Libraries:** Django, PythonPart API, Celery, Redis, WPF Window
- **Database:** PostgreSQL, XML-based database
- **Tools & Methodologies:** Git, GitLab CI, Agile, CI/CD
- **Other:** Problem-Solving, Teamwork

LANGUAGES

- English: B2 (TOEIC 605)

WORK EXPERIENCE

GSI Group LLC | Python Developer ***July 2022 – Present***

- **Project: Automated Reinforcement**
    - **Description:** Developed a tool that automatically generates and positions reinforcement bars (rebar) in columns, walls, and connections within a 3D space. Collaborated with cloud software APIs and internal frameworks for geometry creation (e.g., Point3D, Line3D, Polyhedron3D, Plane3D).

    - **Tech Stack:** Python, GitLab CI, Cloud API, PythonPart API, unittest library
    - **Role:** Developer on a team of 4
    - **Results:** Streamlined the modeling process for structural engineers by automating the placement of main rebar, stirrups, and side rebar while calculating overlaps accurately.
- **Project: Peikko Toolbox**
    - **Description:** Automated the placement of column shoes and bolts in columns ensuring proper placement in 3D space.
    - **Tech Stack:** Python, XML-based database, PythonPart API
    - **Role:** Developer on a team of 2
    - **Results:** Developed a product database for client information, significantly reducing manual efforts for structural engineers.
- **Project: Content Connector**
    - **Description:** Built a tool to embed external website content within a WPF window, allowing engineers to access and process files directly within the main application.
    - **Tech Stack:** Python, C# (WPF, Webview2), GitLab CI, PythonPart Framework
    - **Role:** Developer on a team of 3
    - **Results:** Created a highly extensible, cloud-based connector tool that cut content-related task time by up to 80% for architects.

PERSONAL PROJECTS

Personal Financial Application

- **Tech Stack:**
    - Front-end: ReactJS
    - Back-end: Django, RESTful API, Celery, Redis
    - Database: PostgreSQL
    - ORM: Django ORM
- **Features:**
    - User registration and login

- Recording and management of monthly financial transactions

EDUCATION

Ho Chi Minh City University of Technology
Bachelor of Engineering in Electronics and Telecommunications Engineering (2018 – 2022)

- **University Project:**
  License Plate Recognition using YOLOv4 and MobileNetV2
  - **Tech Stack:** CNN (YOLOv4 and MobileNetV2 models), OpenCV for image processing, Matplotlib, NumPy
  - **Results:** Achieved 98.77% accuracy with MobileNetV2 and 98.3% with YOLOv4, with an overall accuracy of approximately 96% in recognizing license plates from static images.

ADDITIONAL COURSES & PRACTICE

- Udemy – The Complete Full-Stack Web Development Bootcamp (Ongoing)
- Practicing algorithms and data structures on LeetCode