THINH NGUYEN PHUOC

Software Engineer

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Tan Binh District
Ho Chi Minh City, VN

Software Engineer with over 5 years of experience developing high-performing Python and Java applications in Agile environments. Demonstrated expertise in optimizing database queries, enhancing security, and collaborating with teams to deliver impactful results.

EDUCATION

Ho Chi Minh City University of Technology (HCMUT)   *Sep 2014 – Nov 2019*
B.S. in Computer Science & Engineering
Overall GPA: 7.42

WORK EXPERIENCE

TMA Solutions   *Mar 2019 – Present*
Software Engineer

· Contributed to a network performance monitoring project.
· Resolved critical customer issues, including system hangs, database errors, and installation problems.
· Optimized query execution times by strategic indexing and efficient joins, addressing system bottlenecks to enhance application performance.
· Collaborated on new feature implementations, improving user experience and system functionality.
· Identified and mitigated security vulnerabilities, preventing potential breaches such as SQL injection and XSS.
· Developed Python automation tools to streamline tasks, reducing errors and increasing productivity.

MangoAds   *Jun 2018 – Aug 2018*
Intern

· Automated content collection and import for WordPress pages using plugins.
· Created a PHP and Scrapy tool to input keywords and track their rankings on top search engines like Google and Bing.
· Pursued courses on Udemy to continuously enhance skills.

SKILL

Programming Languages	Python, Java, C/C++
Frameworks	Django, Spring, Hugo, Bootstrap
Databases	MariaDB, SQL Server
Tools	Git, SVN, Docker, Burp Suite
AI	Rasa, LangChain, Ollama

PERSONAL PROJECT

Web Checker   *Dec 2018 – Present*
Project URL: https://github.com/thinh9e/web-checker

· Developed a Django-based web application to assess SEO scores using the MVC pattern.
· Implemented URL input functionality, content retrieval, XPath parsing, and link status analysis to identify missing items and generate scores.
· Utilized ThreadPool for concurrent request handling, significantly reducing response time.

Burp Suite Automation   *Aug 2021 – Jun 2023*

· Created a custom tool for web app content crawling with Burp Suite proxy integration.
· Used Selenium for web browser automation and Tkinter for an interactive GUI.
· Deployed the tool at TMA Solutions to enhance security scanning automation in project workflows.

Checksum Generator   *Dec 2021 – Dec 2021*

· Developed a Python-based checksum generation tool for critical files in the installations directory to enhance data integrity.
· Implemented JSON configuration loading to track file additions, modifications, and deletions, updating corresponding checksum files.
· Integrated the tool with TMA Solutions project, ensuring seamless functionality in the installation binaries delivered to customers.

CERTIFICATE

Intermediate to Advanced Python with 10 OOP Projects   *Jan 2024*
Udemy: *https://ude.my/UC-31536a7e-1d52-4cb2-b73d-60bbe5525a33/*

Mastered Python with proficiency in OOP, Git, APIs, databases, deployment, PEP8, and more.

Python Django Dev To Deployment   *Nov 2018*
Udemy: *https://ude.my/UC-PRMHJ580/*

Developed and deployed a real estate application using the Django framework and PostgreSQL.

Python and Django Full Stack Web Developer Bootcamp   *Sep 2018*
Udemy: *https://ude.my/UC-53QB9QRM/*

Gained experience in web development with expertise in HTML, CSS, Bootstrap, JavaScript, jQuery, Python 3, and Django.

AWARD

AI Contest 2023   *Oct 2023*
TMA Solutions – DG

· Secured third place in an AI contest.
· Developed an AI chatbot that seamlessly integrated with customer systems.
· Skilled in creating solutions for answering FAQs and interacting with system services via REST API.