

ANDREY ILKIV

Manalapan, NJ

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Dedicated professional programmer with a strong work ethic and genuine enthusiasm for fabricating efficient and robust software solutions. Swift learner who thrives in dynamic environments and adapts gracefully to emerging technologies and industry trends. Committed to delivering excellence in all aspects of software development as well as contributing to the success of projects and driving continuous innovation.

Skills

- JavaScript | TypeScript | Angular | React | HTML | CSS | Tailwind | Bootstrap | Vite | NPM | JQuery | C# | .Net
- Java | Python | NodeJS | Nginx | Gradle | Maven | Django | SpringBoot | Axios | WebSockets
- Docker | SCRUM | Agile | SQL | MongoDB | SSL | Webpack | Git | Linux | Windows | Jira | Jenkins
- Web Development | Database Management | Communication | Problem-solving | Adaptability | Collaboration
- AI | OpenAI | Gemini | Grok | LLM Tuning | AI Analysis | Custom GPT's | LLAMA | AI Code Base Integration

Experience

Software Engineer

Parsons *Tinton Falls, NJ*

06/2021 – Current

- Actively participated in code reviews, contributing to the maintenance of high-quality code standards, and mentored junior developers in best coding practices.
- Developed and maintained cutting-edge webapps using React and Typescript, seamlessly integrating them with back-end Java and Python servers through restful APIs, HTTP protocols, and reverse proxy servers like NGINX.
- Orchestrated the setup and upkeep of Java back-end servers using SpringBoot, employing a large range of frameworks to ensure high-performance, scalable, and resilient code.
- Integrated SQL and NoSQL databases coupled with data storage solutions, ensuring data integrity and security in web applications. This was done across projects such as EISS, EISS-LORA, ElectSolve, Cyberzcape, and NMS.
- Developed and maintained SQL stored procedures to allow ease of use and increased productivity.
- Authored comprehensive technical documentation, facilitating easier maintenance and updates by other team members.
- Collaborated with teams of developers, engineers, and sales teams fostering innovation and advancing the development of Open Automated Demand Response protocols for Distributed Energy Resource Management.
- Made use of linux and windows systems for software development and script configurations across multiple projects.
- Spearheaded the Dockerization of microservices, optimizing application deployment and runtime efficiency. This initiative led to a remarkable 77% reduction in downtime and an impressive 55% increase in scalability.
- Streamlined and modernized a monolithic codebase by integrating cutting-edge frameworks like React, Docker, and .Net core MVC resulting in a significant 58% reduction in load times and a substantial 89% improvement in maintainability.
- Demonstrated expertise in updating, flashing, and developing ARM Cortex 32-bit firmware using a variety of tools.
- Designed and implemented the first application frontend API to perform CRUD operations on sensor data stored in InfluxDB, streamlining data management and improving efficiency.
- Assisted in solving critical, time-sensitive production issues, ensuring system stability and client satisfaction.
- Wrote and implemented complex Grafana and InfluxDB queries and scripts, enabling advanced data visualization and integration directly within the application code.

President

Right Jab Marketing *Shrewsbury, NJ*

09/2024 – Current

- Lead strategic marketing initiatives, leveraging a proprietary standalone application to analyze real-time housing market data, providing tailored insights for local trades companies targeting new homeowners and sellers.
- Architect and manage the full application stack, including a Django backend, React frontend, NGINX for web serving, and Docker for containerization, ensuring a scalable and efficient system.
- Integrated an AI, LLM (Large Language Model) into the application, enhancing its analytical capabilities and providing advanced insights for data-driven decision-making.

- Oversee all DevOps processes, implementing CI/CD pipelines and maintaining infrastructure to guarantee high availability, scalability, and optimal performance.
- Developed comprehensive system flows to optimize business operations and enhance application integration.
- Conduct extensive market and other relevant research to support data-driven decision-making and inform marketing strategies.
- Write and maintain all business and technical documents, ensuring clarity and alignment with organizational goals and technical requirements.
- Collaborate with clients to create personalized marketing solutions, improving lead generation, conversion rates, and client satisfaction.

IT Specialist

Covered Bridged Association
Manalapan, NJ

09/2012 – 12/2020

- Performed diagnostic checks, troubleshooting, and implementing file backups.
- Configured operating systems and applications, installed drivers, and set up Network configurations.
- Setup port forwarding and firewall permissions with TCP/UDP connections over DNS servers and IP protocols increasing network security and WLAN connectivity by up to 10%.
- Implemented hardware/software installs and upgrades, such as printers, PC rebuilds, routers, and audio systems.
- Provided on-site and off-site support for over 50+ community members with a 95% success rate.

EDUCATION

Rutgers University
New Brunswick, NJ (2016 – 2020)

B.A – Information Technology
Minors – Computer Science, Human Resources

Brookdale Community College
Lincroft, NJ (2014 – 2016)

A.S – Computer Science