Ignas Panavas

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EDUCATION

The University of Georgia, Athens, GA   August 2023 - May 2027
Majors: Bachelor of Business Administration in Finance, Bachelor of Science in Computer Science
GPA: 3.82
Honors: Full Presidential Waiver (1 of 75 Students), Dean's List

SKILLS

Languages: Python, Java, JavaScript/TypeScript, Swift, C, Assembly, SQL
Frameworks & Libraries: React, Flask, FastAPI, Scikit-learn, NumPy, Pandas, Matplotlib
Cloud & DevOps: AWS (Lambda, EC2, API Gateway, ECR), Docker, Terraform, GitHub Actions

PROJECTS

SpamShield - SpamShield.ignaspanavas.com: React, AWS (Lambda, EC2, ECR), Vercel, Scikit-learn, Docker
- Developed and deployed a full-stack, web application designed for over **99% uptime** using AWS EC2, Lambda, and a Python/Flask backend, providing a scalable and cost-effective anti-spam solution for GroupMe chats.
- Engineered a Scikit-learn machine learning model that successfully blocks over **230 spam messages weekly across 7+ active groups**, integrated into a RESTful API for real-time, high-accuracy message filtering.
- Implemented a complete CI/CD pipeline leveraging Docker and GitHub Actions for automated deployment to AWS (ECR, Lambda), ensuring robust, high-availability performance and seamless updates.

Unified Social Media Analytics Platform: React, Node.js, PostgreSQL, JWT
- Built full-stack social media analytics dashboard **serving 99+ users** across 5 platforms (TikTok, Instagram, Facebook, YouTube, Snapchat) using React, Node.js, and PostgreSQL, **processing 26k+ daily data points** to deliver unified cross-platform performance metrics and engagement insights
- Implemented OAuth 2.0 authentication system with JWT token management and automated refresh workflows, maintaining secure API connections for **350+ social media accounts** while achieving 99.9% uptime through rate limiting compliance and exponential backoff error handling
- Designed scalable backend infrastructure with Redis caching, Bull queue job processing, and CI/CD pipeline using Docker and GitHub Actions, managing **18GB+ of analytics data annually** while reducing data retrieval latency by 60% through optimized background fetching workflows

PROFESSIONAL EXPERIENCE

DeRisk.io, *Software Engineering & Data Analysis Intern,* Vilnius, Lithuania   June 2024 - August 2024
- Developed Python scripts to scrape real-time commodity data from financial data websites, providing **23 new continuous data streams** for use in a front-end commodity dashboard
- Engineered an API infrastructure for internal connectivity to Saxo Bank, utilizing Python, Docker, and PostgreSQL to build a data pipeline, covering client authentication, WebSocket data collection, data transformation, and database storage.
- Compiled a profit & loss analysis report for a client's steel hedge, incorporating FX conversion factors to demonstrate the DeRisk platform's value, contributing to the retention of the **third-largest client**.

Data Annotation Tech, *Project Administrator*, Remote   November 2023 – September 2024
- Supervise the training of generative AI models, **improving efficiency by 24% and accuracy by 33%** in code generation
- Establish effective workflows for projects with 2000+ workers, improving key worker efficiency metrics by 18% over previous instructional framework, **saving 6,000+ worker hours of uptime** on projects
- Oversee quality control process, implementing rigorous standards to ensure high accuracy; 15% increase in client satisfaction

LEADERSHIP & RELEVANT EXPERIENCE

DevDawgs [Large Scale Software Development Club], *Backend Focus Lead,* Athens, GA   August 2024 – Present
- Led and mentored a backend **development team of 55 students** for a Spring Boot application, defining the project roadmap, setting technical goals, and facilitating bi-weekly meetings to meet all project milestones.
- Analyzed application requirements for a student body of 40,000+, identifying and scoping essential data sources needed to build an optimal class scheduling tool.
- Established a development framework using GitHub, managing a weekly average of 20+ issues to delegate tasks and enforce high-quality code standards through a mandatory pull request review process.

INTERESTS

hiking (Harder Kulm), fantasy books, beach trips, Chess, Camino de Santiago, triathlons, pickleball, house music, Lithuania, painting