Danny Sylvester Crasto

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Staff Engineer with 12+ years' experience building scalable cloud distributed systems. Self driven, passionate coder, fixer and efficiency chaser with a proven track record managing cross-functional teams and delivering revenue-generating features.

EXPERIENCE

Staff Engineer, portmind.com, Dubai, UAE **| Aug 2025 - Present**
- Designed and developed client-facing features for the cloud-based, AI-centric document recognition engine
- Contributed to microservices and monorepo codebase as part of lean 3-engineer team
- Managed SDLC of the product, enhanced distributed services' performance and refactored the codebase

Senior Staff Engineer, dubizzle.com, Dubai, UAE | [Staff:'21-'22] **May 2022 - Apr 2025**
- Architected microservices migration to 40+ services with event-driven architecture processing 100M+ messages/day
- Established backend guild, reduced alerts by 50% and maintained technical roadmap with zero-downtime releases
- Mentored 15+ engineers, led international hiring, balanced 70/30 coding-to-leadership split

Engineering Manager, dubizzle.com, Dubai, UAE **| Dec 2015 - Jul 2021**
- Managed 8-engineer Real Estate Technology team supporting 95% of UAE agencies
- Increased delivery velocity 40% and reduced production bugs 50% through code reviews and technical strategy
- Architected scalable solutions delivering revenue-generating features with stakeholders

PREVIOUS EXPERIENCE

Senior Software Engineer, dubizzle.com, Dubai, UAE **| Jan 2013 - Nov 2015**
- Developed B2C/C2C Real Estate features with python and django supporting 95% of the country's agencies

Software Engineer, Lexmark International Inc, Lexington, KY, USA | **2010 - 2012**

Software Engineer, Mersive Technologies, Lexington, KY, USA | **2008 - 2010**

Research Engineer II, Center for Visualization & Virtual Environments, Lexington, KY, USA | **2006 - 2008**
- Embedded C++ system developer / Computer Vision Engineer and Researcher

SKILLS

- **Programming Languages:** Python, C, C++, Java, Node.js, TypeScript, Bash
- **Frameworks**: Flask, Django, DRF, FastAPI, pandas, LangChain, LangGraph ExpressJS, OpenCV
- **Databases:** MySQL, PostgreSQL, Amazon Redshift, DynamoDB, Redis, Elasticsearch, Pinecone
- **Cloud / Infrastructure / Devops:** AWS, Docker, Kubernetes, Lambda, nginx, Terraform, Ansible
- **Architecture:** Microservices, Event-Driven Architecture, Domain-Driven Design, Monolith
- **Tools:** RabbitMQ**,** Kafka, Github actions, ElasticAPM, Sentry, KeyCloak, ELK, Grafana, Claude Code

EDUCATION AND CERTIFICATIONS

Master of Science in Computer Science, University of Kentucky, Lexington, KY | May 2006
Bachelor of Science in Computer Science, University of Kentucky, Lexington, KY | Dec 2002
Deep Learning, Nanodegree, Udacity, April 2020 | **AWS Certified Solutions Architect - Associate** May 2019

NOTABLE PROJECTS

- AWS SES, Email ingestion pipeline that parsed emails and segmented content asynchronously using an LLM
- Split Monolith to an event driven, Service Oriented Architecture using Domain Driven Design principles
- Transitioned our imaging service through SAAS providers for cost reductions, stability and RUM improvements
- Built real-time data pipelines using Python, Kinesis, and Elasticsearch for business analytics dashboards
- Trained a SVM Classifier and built a microservice reducing manual categorization time by 75%