DANIEL ANCUTA

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PROFESSIONAL SUMMARY

Pragmatic technology leader with 20+ years building scalable digital platforms and 7+ years leading distributed engineering teams.

Proven track record architecting secure, compliant systems for regulated healthcare and commercial industries (FDA, HIPAA, GDPR).

Expert in AWS, Python, microservices, and building high-performing teams that deliver measurable business impact.

PROFESSIONAL EXPERIENCE

BACKEND ENGINEERING TEAM LEAD

LIVANOVA (MEDICAL DEVICES - DIGITAL HEALTH)

January 2024 - Present
Remotely (UK)

Part of Leadership Team in driving delivery and architectural direction for the Digital Health Platform (DHP) within LivaNova's digital transformation program, leading the development of platform-first backend architecture to improve quality, consistency, and delivery efficiency.

Coordinating technical discussions across distributed frontend, backend, system engineering, and devops teams spanning multiple time zones to align priorities, unblock dependencies, and ensure seamless integration.

Leading organization-wide adoption of Claude Code through automation development, experimental approaches, and governance framework implementation.

ACHIEVEMENTS:

- Delivered FDA-compliant Digital Health Platform foundations, accelerating medical device portfolio time-to-market
- Architected platform-first backend architecture improving quality, consistency, and delivery efficiency
- Led organization-wide GenAI adoption including Claude Code implementation, automation frameworks, and governance

www: LivaNova.com

BACKEND ENGINEERING TEAM LEAD

LIVANOVA (MEDICAL DEVICES - DIGITAL HEALTH) - WORK ON EPSY HEALTH PLATFORM

Member of a technology leadership team for Epsy Health platform, responsible for driving delivery and architectural direction for backend.

ACHIEVEMENTS:

- Built Data Lake with AWS Glue and S3, enabling ML capabilities through SageMaker and centralizing frontend, backend, and mobile analytics

January 2023 - January 2024
Remotely (UK)

- Aligned backend priorities with business objectives through strategic technical roadmap, improving stakeholder visibility and delivery predictability
- Designed recruitment, onboarding, and offboarding processes supporting rapid team scaling
- Reduced operational expenses by $122,000 annually through FinOps practices while promoting cost-awareness across engineering teams
- Strengthened platform security through GitHub Enterprise governance and standardized microservice templates
- Upskilled team through AWS training programs, resulting in multiple new AWS certifications
- Achieved COPPA compliance including identity verification capabilities
- Initiated SOC2 certification preparation
- Established Service Operation Centre with Squadcast, CloudWatch, Sentry, and Linear, reducing incident response times

www: EpsyHealth.com

SENIOR SOFTWARE ENGINEER

LIVANOVA (MEDICAL DEVICES - DIGITAL HEALTH) - WORK ON EPSY HEALTH PLATFORM

August 2020 - January 2023
Remotely (UK)

EpsyHealth is a leading digital platform empowering patients, caregivers, and healthcare providers with a better way to live with seizures and epilepsy.

"The best epilepsy management app."

Responsible for developing backend services, including Infrastructure as Code (IaC) and CI/CD pipelines.

AWARDS:

- 2020 Google Material Design Awards
- 2021 Innovation by Design award (Fast Company)
- Lifetime 4.7* rating on both Android and iOS stores, from over 4000 individual reviews

ACHIEVEMENTS:

- Accelerated feature delivery by 50% by migrating Flask monolith to event-driven microservices, improving platform resilience for growing user base
- Improved platform's stability by migrating user database from PostgreSQL to Amazon Cognito, simplifying authentication and improving cross-platform mobile user experience
- Enabled seamless offline-online experience for epilepsy patients using AWS Amplify and AppSync, delivering real-time sync across mobile and web
- Expanded platform to EU and UK markets through GDPR-compliant multi-region deployments, meeting data residency requirements

www: EpsyHealth.com

BACKEND ENGINEERING TEAM LEAD

LIFEWORKS - TELLUS HEALTH (EMPLOYEE WELLBEING)

Led backend engineering team (technical leadership and line management) delivering multiple parallel projects for Employee Assistance Program.

ACHIEVEMENTS:

February 2019 - August 2020
Remotely (UK)

- Upskilled PHP team to Python proficiency through structured training, enabling successful transition to AWS-based microservices development
- Migrated on-premise monolith to AWS event-driven microservices for EAP platform, reducing costs and enabling predictable delivery
- Redesigned interview and onboarding processes with structured criteria, supporting rapid backend team expansion

www: lifeworks.com

SENIOR SOFTWARE ENGINEER

LIFEWORKS - TELLUS HEALTH (EMPLOYEE WELLBEING)

June 2018 - February 2019
Remotely (UK)

LifeWorks is modern EAP solution available in almost every country with millions of users.

Hired to lead technical transition from monolithic PHP application to cloud-native microservices architecture using AWS and Python.

ACHIEVEMENTS:

- Improved system performance and data isolation by migrating critical datasets from monolithic to microservice architecture
- Unified CI/CD pipelines with Bamboo across backend and frontend teams, accelerating deployment cycles and standardizing delivery practices
- Reduced new service setup time from days to hours with internal bootstrapping tool automating infrastructure, monitoring, and deployment provisioning

www: lifeworks.com

SENIOR SOFTWARE ENGINEER

THREADS STYLING (ECOMMERCE)

September 2017 - February 2018
Remotely (UK)

Threads Styling is a personal shopping platform specializing in luxury products.

Working closely with Head of Engineering as a hands-on contributor on migrating legacy app (Ruby + Rails + on-premise) to Python and AWS.

ACHIEVEMENTS:

- Designed ElasticSearch schema enabling fast full-text search across gigabytes of WhatsApp customer conversations for luxury shopping platform
- Enhanced personalization through ElasticSearch migration, delivering improved customer insights and data-driven shopping recommendations

www: ThreadsStyling.com

LEAD SOFTWARE ENGINEER

FLUBIT (ECOMMERCE)

January 2015 - September 2017
London, UK

Led architecture design and strategic planning for e-commerce marketplace platform. Drove cloud migration strategy and technical roadmap for scaling operations.

ACHIEVEMENTS:

- Developed AWS cloud migration strategy for e-commerce platform, delivering technical roadmap, cost-benefit analysis, and risk mitigation plans

SENIOR SOFTWARE ENGINEER

FLUBIT (ECOMMERCE)

April 2014 - January 2015
London, UK

Flubit was a marketplace aiming to compete with Amazon by offering competitive prices.

Working closely with CEO, product owners and technical teams (frontend, data science) on delivering marketplace platform.

ACHIEVEMENTS:

- Designed ElasticSearch schema enabling fast search across 60 million products, improving customer discovery experience
- Built event-driven indexing with RabbitMQ processing 700 updates/second, maintaining real-time product availability and pricing accuracy

www: flubit.com

EARLY CAREER EXPERIENCE (2007-2014)

Software Engineer | SensioLabs UK (Software House) | October 2012 - April 2014 | London, UK
Contributed to digital transformation projects for enterprise clients including TalkTalk and feelunique.com. Introduced engineering best practices through training and pair-programming, modernizing platforms to support product delivery at scale.

Software Engineer | Komputronik S.A (Ecommerce) | November 2009 - January 2012 | Poland
Developed bespoke e-commerce applications for one of Poland's largest electronics retailers, supporting multiple brands and markets across Poland and Czech Republic.

Software Contractor | Self-employed | February 2008 - October 2012 | Poland
Delivered PHP/MySQL solutions across multiple companies and projects as an independent contractor.

PHP Developer | CD PROJEKT (gog.com) | September 2007 - February 2008 | Poland
Contributed to the development of GOG.com, a DRM-free digital distribution platform for classic video games.

TECHNICAL SKILLS:

- **Cloud & Infrastructure:**
  - AWS Services: Amplify, AppSync, Redshift, Glue, Lambda, DynamoDB, EventBridge, SNS, SQS, ECS, ECR, API Gateway, Athena, Streams, Cognito, Secrets Manager, CloudWatch, Step Functions and many more
  - IaC: Terraform, Pulumi
  - Containers: Docker
  - System's configuration: Vagrant, SaltStack, Chef
  - Frameworks: Serverless Framework, AWS Cloud Formation
  - Microsoft Azure
- **Programming & Frameworks:** Python (Flask, Bottle, Chalice, FastAPI, pydantic, pytest), TypeScript, PHP (Symfony), PL/SQL, PostgreSQL, MySQL, Oracle Database
- **Architecture & Patterns:** Microservices, REST,

LEADERSHIP & MANAGEMENT:

- **Team Leadership:** 7+ years leading distributed cross-functional engineering teams (Backend, Frontend, Mobile, DevOps), technology leadership, strategic technical planning
- **People Management:** Line management, goal setting, yearly performance reviews, career development, mentorship & coaching, team scaling
- **Talent Acquisition:** Recruitment strategy, hiring processes design, interview process optimization, structured onboarding/offboarding, team expansion
- **Methodologies:** Agile, Scrum, iterative delivery, process improvement
- **Budget & Operations:** FinOps practices, cost optimization, resource allocation, operational expense management
- **Collaboration:** Cross-functional coordination, stakeholder management, alignment with product

GraphQL, Event-driven systems, Data Lake architectures, TDD (phpspec), BDD (Behat)
- **Data & Search:** ElasticSearch, RabbitMQ
- **DevOps & CI/CD:** GitHub Enterprise, GitHub Actions, Git, SonarCloud, Snyk, Datadog, Bamboo
- **Productivity & Collaboration:** Jira, Linear, Slack
- **Monitoring & Incident Response:** Squadcast.com, Datadog, Pingdom
- **Feature Management & Experimentation:** LaunchDarkly.com
- **Customer Engagement & Analytics:** Segment.com, Amplitude.com, Customer.io, Singular.net, Appsflyer.com
- **Compliance, Privacy & Identity Management:** OneTrust.com, GDPR, HIPAA, Children's Online Privacy Protection Act (COPPA), Veriff.com
- **Customer Support, CRM & Service Management:** Salesforce, Zendesk
- **Frontend & UI Libraries:** React, jQuery, Prototype, MooTools
- **AI:** OpenAI API (GPT-5, GPT-4 and previous models), Anthropic API (Claude), MCP, Amazon Q

owners & business priorities
- **Training & Development:** Team upskilling programs, AWS certification initiatives, knowledge transfer, technical presentations

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PUBLICATIONS:

- Serving static pages on AWS with Amplify
- Protect Sensitive Data in Logs with AWS CloudWatch Data Masking
- GitHub Actions: Security Hardening With OpenID Connect
- Secrets Management in AWS: Using Secrets Manager
- GitHub Rulesets: Your Safeguard for Your Repositories
- Update AWS CloudFront configuration using AWS CLI
- Streaming GitHub audit log to S3 with OpenID Connect - Troubleshooting
- AWS Amplify Override Amplify-generated resources. On example with resolvers.
- Protocol Buffers RPC calls through WebSockets on AWS Lambda with API Gateway
- Error tracking and incident response on production with Sentry + Squadcast + Linear + Slack
- Strategies to Migrate Users to AWS Cognito Pool

read them on ancuta.org