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Ahmed Salama

Professional Summary

- Results-driven and accomplished Lead Software Engineer with a proven track record of **leadership**, **ownership**, and **impactful contributions**.
- Adept at driving **cross-functional collaboration**, setting **design standards**, and implementing **innovative methodologies** to enhance system efficiency.
- Seeking a **managerial** or **consultant** role to leverage expertise in guiding organizations towards success.

BreadCrumb.ai, Seattle WA — *Lead Software Engineer* (2023 – Current)

- Spearheading Prompt Engineering for ChatGPT, focusing on Chain-of-Thought structuring, types Enforcement, testing framework, and database modeling

Amperity, Seattle WA — *Lead Software Engineer* (2022 – 2023)

- Led cross-functional collaboration to develop and implement new methodologies for **identity resolution**.
- Devised novel **optimization strategies**, increasing overall system efficiency.

Lyft, Seattle WA — *Senior Software Engineer*   (2017 – 2020)

- Directed the **DynamoDB directive**, setting design and operational standards, best practices, runbooks, and guiding roadmaps.
- Introduced new features to the company's infrastructure, resulting in **$1.5 Million/year in savings**.
- Coordinated **Peak-Event preparations**, serving as the **primary contact** with AWS support for feature requests and incident response.

Microsoft, Bellevue WA — *Software Engineer*   (2013 – 2017)

- Oversaw the development and implementation of machine learning features for the "Relevance Engine" in Bing Ads, achieving an **11% increase in cumulative accuracy**.
- Designed a **negative sentiment classification system** for news queries, utilizing big data queries for insights.

Carnegie Mellon University, Qatar — *ML Researcher*   (2012 – 2013)

- Contributed to research projects on typesetting for **improved word wrapping**, **Smart Reader contextual aid** for English text, and **Arabic Dialects Corpus Analysis**.

Education

Cairo University, Egypt — *BEng Computer Engineering* (2006 – 2011)

Thesis project: "Just Think SDK" classification of brain waves into commands for a **Brain-Computer Interface** to **control external devices** e.g a wheelchair.

Skills

- **Leadership** and Team Management
- **System Optimization** and Efficiency
- Cross-functional **Collaboration**
- **Project Management** and Roadmapping
- Mentorship and **Technical Guidance**
- DevOps Support and **Incident Response**
- **Machine Learning/NLP** and **Big Data Analysis**
- Large-scale **Distributed Systems** Design and Architecture

Publications

Typesetting for Improved Word Wrapping — Maximize readability and flow of thought: http://aclweb.org/anthology/P/P13/P13-2126.pdf

Smart Reader — Contextual aid for English text providing lexical, syntactic and semantic information. http://aclweb.org/anthology/R/R13/R13-1006.pdf

Arabic Dialects Corpus Analysis — Extracting insights from regional YouTube comments section. http://nlp.qatar.cmu.edu/papers/SALAMA14.558.L14-1456.pdf

Note: This revised CV emphasizes Ahmed Salama's leadership, ownership, and impact throughout his career, showcasing his ability to drive projects, mentor teams, and deliver substantial results.