Shameer Shahab

Software Engineer

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Professional Summary

Results-driven Software Engineer with 10 years of engineering experience including building scalable systems at Google (Gmail Security) and innovative automation at Mettler-Toledo. Expertise in full-stack development, AI integration, and infrastructure optimization. Proven track record in driving efficiency, preventing abuse at scale, and leading cross-functional initiatives. Passionate about leveraging AI/LLMs to enhance productivity and user experiences.

Professional Experience

Software Engineer, Gmail Security, Google   Jun 2022–Present

- Led end-to-end development of full-stack anti-abuse features in Gmail Web (JS + Java), from design to deployment, safeguarding billions of users against threats.
- Boosted team productivity through AI tool adoption, including demos on code generation and debugging with LLMs.
- Engineered high-availability solutions across UI, APIs, server logic, and networks; detected/prevented millions of compromised accounts and hundreds of millions of automated abuses weekly.
- Spearheaded cross-functional efforts recognized in Forbes, The Verge, and 9to5Google.

Software Engineer, Mettler-Toledo Autochem   Jan 2021–Apr 2022

- Automated sales lead generation, slashing manual effort by 99% and saving dozens of hours weekly; drove record sales and won 2021 CEO Commitment to Excellence Award.
- Upgraded iC Vision software (C#/.NET) image processing to 12-bit depth, significantly improving dynamic range for microscopic analysis.
- Built .NET-MATLAB bridge for advanced image algorithms; contributed to next-gen platform architecture.
- Established Selenium-based testing infrastructure for UI/system automation.

Network & Infrastructure Engineer, CommPutercations   Jun 2016–Dec 2020

- Automated workstation/server deployments, reducing setup time by 80% using scripting and virtualization.
- Managed VMware vSphere/Hyper-V infrastructure for numerous clients; designed/maintained SMB networks for reliability.

Education

University of Maryland, College Park   Aug 2017–Dec 2020

B.S. in Computer Science (Concentration: Economics)

Skills

Languages: Java, JavaScript/TypeScript, C#, Python, Swift
Technologies/Tools: AI/LLMs (Gemini API), Selenium, Node.js, Git, MongoDB, Computer Networks, Google Internal Frameworks

Personal Projects

Teslyrics | teslyrics.app
Full-stack web app for time-synced lyrics on Tesla displays; integrated Gemini API for "emoji mode." Grew to thousands of active users and revenue-generating.

OpenDUPR | github.com/shameer99/open-dupr
Open-source frontend for pickleball rating system; improved performance/UX over official site using modern web tech.

Budget Tracker
Personal finance tracker with automated transaction retrieval and smart categorization using Gemini API; features comprehensive transaction management and custom budget alerts.

Awards

2021 Commitment to Excellence Award, Mettler-Toledo Autochem (CEO-presented for automation impact).
Gmail Bug Buster Award for resolving a critical 7+ year bug in user journey affecting hundreds of thousands of daily users.