

Michael Gill

Results-oriented software engineer with 10+ years of experience in designing and implementing innovative solutions. Passionate about improving team productivity and delivering high-quality code.

WORK EXPERIENCE

Senior SW Engineer E5 - Meta | Remote | FEB '22 - Present

Senior Software Engineer - Facebook Dating Integrity

- Wrote modular, secure, well-tested code in Python, Hack/PHP, and SQL which is used by millions of daily users.
- Designed and implemented multiple projects that reduced scammer prevalence metrics by 50%.
- Used SQL and Python to create opportunity sizing impact estimates for several projects.
- Led the team to complete Meta Integrity Standards work, ensuring compliance with industry regulations and company policies.
- Quickly established as the go-to reference for Dating Integrity Enforcement systems, providing expert guidance to team members with minimal ramp-up time.
- Proactively managed and resolved several high-priority SEV events while on call, minimizing impact to millions of end-users.
- Led show and tell sessions for Dating Integrity, setting up the events and serving as moderator for discussions.

Associate Manager SW 4 - L3Harris | Florida | JUN '13 - JAN '22

Crypto Lead - Modem Software

- Led the effort to successfully integrate legacy modem software with a DevOps workflow in Jenkins, resulting in a 30% reduction in deployment time and improving overall software quality.
- Conducted Independent Verification & Validation (IV&V) of the existing software using Coverity static code analysis, identifying and fixing critical issues to ensure compliance with industry standards and best practices.
- Developed a cryptographic module simulator in C#/ .NET and deployed it on the lab network, enabling efficient testing and validation of cryptographic algorithms and protocols for multiple projects.

Chief SW Engineer - Aircraft Software

- Designed and implemented software to report the operational status of critical components on a backplane assembly to the rest of the aircraft, ensuring safe and efficient operations.
- Led a team of 3 software engineers from project inception through successful software formal qualification testing, ensuring compliance with industry standards and regulations.
- Developed and maintained project plans, schedules, and budgets, ensuring

CONTACT

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EDUCATION

University of Florida

Gainesville FL
B.S. Computer Software
Engineering, Math Minor
GPA of 3.64/4.0
Fall 2009 - Spring 2013

SKILLS

- C
 - C++
 - Hack / PHP
 - Python
 - Java
 - SQL
 - Git
 - SVN
 - Mercurial
 - Jenkins
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INVOLVEMENT

Harris URock Award

Received a Urock award for playing a role on Tiger Team to diagnose radio failures.

High School Programming Tutor

Held a lesson for high school students on Android programming.

UF Programming Team

Placed 25th at South East Regional competition.

timely and successful delivery of software solutions. Collaborated with cross-functional teams to ensure seamless integration of software and hardware components.

Developer - Encryption Software

- Designed a software full disk encryption solution for use between Windows, Ubuntu, and a proprietary embedded system.
- Improved load procedure from several hours to 60 seconds by automating the encryption and decryption process.

Developer - Software Defined Radio

- Worked on radio waveform to increase radio network communication efficiency.
- Designed and implemented an algorithm which increased packet on time rate to 99.9%.
- Wrote software to integrate a new Inertial Navigation System which significantly reduced system costs, creating a new product option.

PERSONAL PROJECTS

Discord Leet Bot

- Created a discord bot in python which can be commanded to retrieve a daily programming problem for users in a discord server.
- Using this bot speeds up the process of posting a programming problem, instead of having to navigate and copy paste, a simple command can be run.

Harris Programming Competition

- Created programming competition for a work contest during Engineering week.
- Wrote competition questions, created example solutions, and generated test input for the contest on my own.
- Integrated with the Codechef platform to host the contest, improving the existing infrastructure used for the contest.