# Mayank Gautam

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## EXPERIENCE

### SIEMENS HEALTHINEERS | Software Developer
**August 2021 – Current | Bangalore, India**

**Streamlining Deployments**
- Developed a deployment framework to streamline **on-premise deployments**.
- Delivered the initial release within **one quarter**, driving adoption among **10+** product deployment teams.
- **Reduced downtime by 25%** on average **at customer sites** through improvements in package distribution and deployment processes.
- Extended the container orchestration offering to support **single node deployments**, supporting **smaller customer sites**.
- The single node deployment allowed **optimizations in test pipelines**, leading to around **50% reduction** in **compute requirements**.

**Chat Application For Medical Data**
- Contributed in the development of a chat application that allows the sharing and viewing of medical imaging data, which is now used by clinicians **across Asia and Europe**.
- Implemented **cross-tenant** imaging **data sharing**, enabling the **on-boarding** of multiple **new clients** to the application.
- **Improved** the internal end-to-end (E2E) **testing stack**, **eliminating flaky tests** and **reducing** the total test **running time by 20%**

**Next Generation Lab Data Manager**
- Contributed to modernizing a legacy lab data manager application **for the web** using **microfrontend** and **microservice** based architecture.
- Increased **developer productivity** by implementing a **UI generation framework**, **reducing** the template **code by 40%**.
- Prototyped and validated a WebRTC-based **screen-sharing** tool, **empowering** the **support team** with an internal solution and **reducing the dependency on external software**.
- Developed a tool to generate **mock APIs** from OpenAPI specifications, **reducing UI-Backend coupling** and **improving** agile **sprint velocity** by enabling faster integration and testing cycles, leading to an estimated **20% increase in sprint throughput**.

## PROJECTS

### YET ANOTHER KILO | C (98)
**2025**
- Implemented a terminal based text editor with zero external dependencies.
- Yet Another Kilo has been inspired by "antirez's kilo" editor, extending it's syntax highlighting and searching capabilities.

### ANON STATS X | NestJS, Angular, OAuth, JWT, PostgreSQL
**2025**
- Developed a platform allowing users to show-off Twitter / X followers from their anonymous accounts onto their main account.
- Implemented a custom auth flow, for secure and seamless user experience.

## SKILLS

### PROGRAMMING LANGUAGES
C# • Python • TypeScript JavaScript • Java • C • C++

### LIBRARIES/FRAMEWORKS
Angular • React • Node.js Express • NestJS • Flask ASP.NET Core • NUnit Jasmine • Karma • Cypress

### DATA SYSTEMS
Redis • PostgreSQL • SQLite • Azure Event Grid

### INFRASTRUCTURE
Docker • Kubernetes Supabase • Firebase Azure

### OTHERS
HTML • CSS • SCSS UI/UX Development Microfrontends • WebRTC Shell • Powershell • Ansible Git • CI/CD Pipelines Rest APIs • Microservices OAuth • Distributed Systems

## EDUCATION

### NATIONAL INSTITUTE OF TECHNOLOGY, HAMIRPUR
Bachelor of Technology, Department of Computer Science and Engineering
**2017 - 2021 | CGPA: 8.67**

## OTHER ACTIVITIES

### COMPETITIVE PROGRAMMER
**Leetcode Knight**
**Codeforces Expert**

### OPEN SOURCE CONTRIBUTOR
**p5.js-web-editor**
**ccsearch-browser-extension**