

MAYUR SHIVAKUMAR

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Education

California Polytechnic State University, San Luis Obispo

Master's in Computer Science (GPA: 4)

Sep 2022 – Jun 2024

San Luis Obispo, CA, USA

Experience

California Polytechnic State University, San Luis Obispo

Frontend Developer

Jan 2023 - Present

California, USA

- **Website Revamp:** Revamping the Robert E. Kennedy Library website using Angular and WordPress, optimizing content and enhancing user experience, resulting in a twofold increase in student engagement
- **Team Leadership:** Supervising a team of content writers and designers, balancing leadership with hands-on development to meet critical project milestones and deliverables

Epicor Software Corporation

Software Engineer (Jun 2022 - Aug 2022)

Jan 2020 - Aug 2022

Bangalore, India

- **No-Code Solution:** Engineered the Epicor Design Studio web application builder, enabling clients to create and customize apps without coding, significantly reducing development time and costs
- **Bug Basher:** Resolved over 80 high-priority issues in 45 days, adding to the product's quality and improving the user experience at the time of release, and was awarded Best Programmer of the Quarter
- **Process Optimization and Mentorship:** Streamlined the onboarding process to one month and mentored a team of five associates to efficiently contribute meaningful enhancements to the project, adding to the product's value
- **Site Reliability Engineering:** Managed Azure Build Pipelines proficiently, ensuring high availability, seamless automation, and enhanced operational workflow efficiency and system resilience with CI/CD processes

Associate Software Engineer (Sep 2020 - May 2022)

- **Cloud Application Development:** Spearheaded the development of Kinetic ERP Cloud Application (SaaS), from ideation to launch; collaborated with cross-functional teams to deliver a product that achieved an increase in customer retention rate
- **Ecosystem Transition:** Implemented the Epicor ERP product suite in a web-based ecosystem, moving away from the Windows desktop
- **Component Design:** Developed and designed 25+ reusable, modular components for the Platform-UX Framework, increasing development efficiency
- **Runtime Engine Creation:** Built Epicor MetaFx, a web-client runtime engine, to decode JSON files and generate single-page web applications, cutting data-intensive web page loading times to under 500ms

Software Engineer Intern (Jan 2020 - Aug 2020)

- **API Optimization:** Improved the effectiveness of EDD APIs, which cut the response time for REST requests by 50%
- **Performance Analysis Tool:** Constructed a Bullet Chart - Key Performance Indicator for EDD product; enabled stakeholders to analyze performance and report growth metrics, resulting in a substantial reduction in customer support issues
- **Advanced Service Rendering:** Created services for EDD to render scales, axes, geometries, and animations across a single SVG surface using D3.js

Projects

fEMR | Java, Spring Boot, MySQL, IntelliJ, Play Framework, Scala

Sep 2023 - Apr 2024 (Expected)

- Internationalizing fEMR System: Leading the transformation for global accessibility by translating the UI and enhancing database architecture for multi-language support. Ensuring efficient progress tracking through Jira

Food Genie | Kotlin, RESTful APIs, Firebase, Android Jetpack

Apr 2023 - Jun 2023

- Recipe Recommendation App Innovation: Crafted a Kotlin-based mobile app, integrating Firebase for robust user authentication and Android Jetpack for superior UI/UX, delivering personalized recipe suggestions and seamless device compatibility

Find My Major | MEAN Stack, Python, BERT, DistilBERT, KNN, MLP

Sep 2022 - Dec 2022

- Major Selection Advisor Tool: Orchestrated the development of a web tool using advanced NLP techniques like BERT, KNN, and MLP to match Cal Poly students with ideal majors, achieving 0.74 accuracy in personalized suggestions

Technical Skills

Programming and Markup Languages: Typescript, Python, Javascript, Java, C#, C++, Kotlin, SQL, HTML, CSS

Frontend & UI Libraries : ReactJS, Angular, Redux, RxJS, Material-UI, Angular Material, Figma

Frameworks: ASP.Net Core, Node.js, Express.js, Django, Kafka, Flask

Databases: PostgreSQL, MongoDB, MS SQL Server, NoSQL

Cloud Services: AWS, Azure, Microservices

Operating Systems: Linux/Unix, Windows, MacOS

Others: Docker, Kubernetes, GIT, Postman, Swagger, Design Patterns, Agile, Github