

Harisudhan Vasu

Software Engineer

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PROFILE

Experienced **Software Engineer** with **3 years** at **ValueMomentum Software Solutions**, specializing in **web development, backend services, and API integration**. Skilled in **Angular, TypeScript, C#, and .NET**, with a strong focus on building **scalable and user-friendly applications**.

Proficient in analysing business requirements, optimizing workflows, and delivering **efficient, high-performance solutions**. Passionate about **problem-solving, automation, and system optimization**, ensuring smooth and reliable software operations.

TECHNICAL SKILLS

Programming Languages & Technologies:

- Angular, TypeScript, JavaScript, RxJS, C#, .NET Core, ASP.NET MVC, Web API

Tools & Platforms:

- Git, GitHub, Azure DevOps, Azure Storage, Application Insights

Database Management:

- SQL

Third-Party Integrations:

- Simple Easier, Twilio
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ValueMomentum – Coimbatore, India

(March 2022 –Present)

Projects:

Volant Programs Inc | Software Engineer (*August 2022 –Present*)

- Designed and implemented dynamic, user-friendly UI screens using Angular, TypeScript, RxJS, and Bootstrap, significantly enhancing user experience and engagement.
- Developed and seamlessly integrated third-party APIs, expanding system capabilities and optimizing performance.
- Engineered innovative, complex screen designs, improving usability and responsiveness.
- Accelerated API response times by leveraging RxJS ForkJoin, enhancing front-end and back-end data synchronization.
- Automated data processes using ClosedXML in .NET, reducing manual effort and improving data accuracy by 90%.
- Increased system efficiency by reducing API response times by 3 seconds, implementing an optimized mapping layer between front-end and back-end systems.
- Integrated Twilio to automate email notifications, ensuring timely communication with insured parties and underwriters.
- **Developed mission-critical features, including:**
 - Auto-Cancellation System – Automatically cancels overdue policies, ensuring compliance and risk management.
 - Monthly Report Automation – Extracts policy data, compiles Excel reports, and distributes them to customers.
 - Daily Premium Reports – Automates premium data reports and notifies stakeholders, streamlining business insights.
- Built and deployed automation scripts and console applications to efficiently resolve production errors.

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- Strengthened project delivery by validating specifications, increasing team efficiency by 30% per sprint.
 - Led team activities, prepared comprehensive status reports, and facilitated strategic discussions to address key challenges.
 - Delivered a 90% accuracy rate in error resolution for Angular applications.
 - Resolved 100+ production issues and tackled over 300 internal bugs, improving system stability.
 - Continuously upskill in emerging technologies to drive innovation and maintain a competitive edge.

Tech Stack:

Angular | TypeScript | JavaScript | RxJS | .NET Core |
Web API | C# | ADO.NET | Azure DevOps | Azure
Storage | Application Insights | Function Apps

**BD ACME Insurance | Front-End Developer
(October 2023 – January 2024)**

- Designed, developed, and maintained dynamic front-end applications using Angular, TypeScript, and JavaScript, improving user experience and responsiveness.
- Configured and managed Azure DevOps Build and Release Pipelines, ensuring smooth and efficient deployments.
- Optimized data handling and retrieval by refining SQL queries, enhancing application performance.
- Maintained and configured CORS policies, ensuring secure and seamless API integrations.
- Strengthened application architecture by integrating multiple source applications, improving component communication and data flow.

Tech Stack:

Angular | TypeScript | JavaScript | RxJS | ADO.NET |
Azure DevOps (Build and Release Pipelines)

EDUCATION

- **PSG College of Arts & Science**
Bachelor of Computer Application (2019 – 2022)
- **SRM Institute of Science and Technology**
Master of Computer Application (2023 – Present)

CERTIFICATIONS

- Software Testing – NPTEL
- Python Programming – Certificate Course
- Angular: The Complete Guide (2023 Edition) – Udemy
- Reactive Angular with RxJS (Angular 16) – Udemy
- Gen AI For Beginners - Udemy