

ABHINAV GUNDA

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SUMMARY

Full-Stack Software Engineer with a Master's in Computer Science, skilled in building high-performance, cloud-integrated web applications. Proficient in developing scalable backend services using .NET and C#, and crafting responsive UIs with Angular/ React. Adept in designing RESTful APIs, optimizing database interactions, and deploying production-ready solutions across Azure and AWS. Strong collaborator in Agile, cross-functional teams with a track record of mentoring junior developers, leading code reviews, and delivering secure, maintainable systems. Passionate about engineering impactful software that blends usability, performance, and scalability.

EDUCATION

California State University East Bay
Master of Science in Computer Science

California, USA
Aug 2023 - May 2025

TECHNICAL SKILLS

Programming Languages: C, C++, C#, Python, Ruby, Go, Java, JavaScript, TypeScript

Frontend Technologies: Angular, React.js, Next.js, HTML, CSS, Bootstrap, jQuery, Webpack, PWA

Backend and API Development: .Net, Node.js, LINQ, JSON Data Handling

Databases and Cloud: MySQL, CosmosDB, MongoDB, Redis, Azure (Blob, Kubernetes), AWS, GCP, Docker

Tools and Methodologies: Visual Studio, VS Code, Git, Postman, Jira, Agile, Data Structures, CI/CD Pipelines

WORK EXPERIENCE

Software Engineer

Chubb Business Services, Telangana, India

Sep 2021 - Aug 2023

- Developed high-performance REST APIs using C# and .NET within a microservices architecture, enhancing scalability and cutting API response times by 30%.
- Built and fine-tuned UI components in Angular and TypeScript, with dynamic data binding, form validation, and API integrations, improving user experience and frontend performance.
- Revamped database queries using Entity Framework and LINQ, and Cosmos DB, reducing execution time by 40% and boosting application responsiveness.
- Integrated Azure services such as Blob Storage, Azure Functions, and Kubernetes, lowering data retrieval costs by 25% and accelerating content delivery speed by 15% via Azure CDN.
- Optimized backend performance using async/await and .NET best practices, reducing server response times by 25% and improving scalability in microservices.
- Implemented secure authentication and authorization for APIs using JWT & OAuth2, ensuring data protection with minimal overhead.
- Led Agile ceremonies, mentored junior developers, and improved API reliability through Postman testing and detailed documentation—boosting test coverage to 90% and reducing onboarding time.

PROJECTS

Smart Grocery – Full-Stack Grocery Platform (MERN Stack, Redis, GCP, Stripe API)

- Developed a full-stack e-commerce grocery app with React.js, Node.js, Express, and MongoDB, featuring real-time inventory and dynamic product catalog.
- Engineered secure user authentication using JWT and integrated Stripe API for reliable payments and automated order emails.
- Improved backend performance by 30% using MongoDB indexing, aggregation, and Redis caching.
- Deployed on AWS (EC2, S3) with CI/CD pipelines for scalable infrastructure and cloud-based media storage.

E-Commerce Website Clone (C#, ASP.NET, Angular, SQL)

- Built a real-time product catalog with Angular and ASP.NET, managing 100+ products with accurate pricing and inventory updates.
- Designed a dynamic checkout system with a custom pricing engine, supporting tax, discounts, and receipt generation.
- Implemented CRUD operations using Entity Framework and optimized backend performance with async C# and DB indexing.
- Ensured responsive UI and seamless data flow across frontend and backend layers.

Digit Recognizer – ML-based Classification Tool (Python, TensorFlow)

- Trained an artificial neural network to classify handwritten digits with 95%+ accuracy on 100K+ images using TensorFlow.
- Applied data normalization and augmentation techniques to improve model generalization and reliability.
- Integrated the trained model into a custom UI for real-time prediction, demonstrating full-stack ML deployment.