Pranav Bhoopal

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EDUCATION

Northeastern University — Boston, MA
Master of Science, Information Systems, GPA: 4.0/4.0 — *Expected Dec 2026*
Relevant Coursework: Object-Oriented Programming, Data Structures & Algorithms, RDBMS

Visvesvaraya Technological University — Karnataka, India
Bachelor of Engineering, Computer Science and Engineering — *Aug 2021*

TECHNICAL SKILLS

Programming Languages: Java, C#, Python, JavaScript, TypeScript, HTML5, CSS3

Cloud & DevOps: Amazon Web Services (AWS), Azure, Jenkins, Docker

Frameworks: Angular.js, Next.js, Spring Boot, Express.js, .Net Framework, Pandas

Databases: SQL Server, MySQL, MongoDB

Tools: JIRA, Confluence, IntelliJ, Visual Studio Code, Git

EXPERIENCE

Punarva Eco - Software Engineer (Bengaluru, India) — Mar 2024 - Jun 2024

- Collaborated on a cross platform credit-based payment platform using Next.js, achieving near perfect reliability for over 4,000 users while contributing to scalable system architecture in a startup environment.
- Implemented responsive user interfaces with Next.js, ensuring seamless cross-device compatibility and reducing load times and ensuring comfortable user experience
- Leveraged MongoDB for efficient data storage, developed robust REST APIs to support secure and scalable transactions, and carried out thorough API testing using Postman

Advanced Business & Healthcare - Software Engineer (Bengaluru, India) — Jan 2021 - Jul 2023

- Led development of a stand-alone .NET application featuring a WPF front-end and WCF back-end, hosted on IIS and deployed on AWS, supporting clinical decision support for over 1,000 healthcare professionals
- Contributed to the development of an internal content creation tool using React, ASP.Net, and Tailwind CSS, and played a key role in migrating its CI/CD pipeline from Jenkins to GitHub Actions
- Utilized XML, HTML, and CSS for dynamic content generation and implemented automated text extraction with regex, streamlining data workflows and reducing manual processing efforts by 25%.
- Collaborated with cross-functional teams on feature releases and conducted rigorous design and code reviews, leading to a 28% reduction in post-release defects and earning a Spot Award for resolving a critical issue impacting over 1,000 clinical users
- Managed code repositories using Git, integrated with Jenkins for CI/CD, and deployed applications to AWS, ensuring seamless and reliable releases.
- Drove weekly stand-ups and adhered to agile methodologies, ensuring the technical team shipped features on time

PROJECTS (ACADEMIC AND PERSONAL)

BullionX – Stock Portfolio Simulator with Stock Reporting

- Developed a full-stack MVC application using **Angular** for the frontend and **Spring Boot** for the backend, containerized with **Docker** and hosted on AWS.
- Engineered **custom Data Pipelines** using **Python with Pandas to extract, map, transform, and load real-time financial data from the Yahoo Finance API**, ensuring near real-time updates.
- Implemented a stock reporting feature that leverages **RegEx-based** parsing to extract text from HTML, XML, and PDF documents, generating daily and monthly performance summaries.

SplitSync: Smart Expense Splitting & Settlement

- Developed a full-stack MVC application entirely using **Next.js**, delivering both frontend and backend functionality for a seamless user experience.
- Created secure **REST APIs** for user authentication, real-time expense tracking, and automated debt simplification, effectively handling large datasets through parallel processing.
- Utilized **MongoDB** for flexible and scalable data storage of group transactions, incorporating rigorous data validation and error-handling routines.