# Ashutosh Bansal

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## EDUCATION

**Trinity College Dublin, Ireland |** Masters in Computer Engineering                    *Sept 2021 – May 2022*

## TECHNICAL SKILLS

**Languages**: Python, Golang,Typescript, C++, Rust
**Cloud Service**: AWS (ECS, Fargate, EC2, S3, Lambda, DynamoDB, Postgres)
**Frontend Frameworks & tools**: ReactJS, NextJS, styled components
**Backend Frameworks & tools**: NodeJS, NestJS, Gin, FastAPI, Django, Kafka, Redis, BullMQ, Docker, Grafana, Prometheus.
**Databases**: SQL: Postgres, MySQL, NoSQL: MongoDB.
**Testing Frameworks**: Jest, Playwright

## EXPERIENCE

**Software Engineer | The Hut Group – United Kingdom**                    *Aug 2022- Present*
- Developed an **in-house project management tool**, similar to JIRA, resulting in the migration of over **80%** of the company's tech teams from JIRA to the new tool.
- Spearheading the development of a **SaaS platform** designed for seamless website deployment for individuals and organizations.
- Conducted architectural decisions, design sessions, and code reviews with team members enforcing best practices and achieving significant improvement in team productivity.
- Developed comprehensive **unit** and **integration** test suites for newly introduced features, achieving **90%** test coverage.
- Manage **on-call** responsibilities to address and resolve stakeholder issues.
- Performed **out of hours** feature releases, ensuring smooth transitions and minimal disruption.
- Successfully refactored key components to improve code quality and system performance, including rewriting the deployment process workflow from **TypeScript** to **Go**, which led to a **30%** decrease in deployment time and enhanced maintainability.
- Led **knowledge-sharing sessions** within the team to help members learn new skills and best practices.
- **Mentored new team members**, providing guidance on technical concepts, best practices, and assisting with task-related challenges.
- Utilized a comprehensive tech stack, including **Python**, **Golang**, **NextJS**, **TypeScript**, **NestJS**, Prisma, **Postgres, AWS**, Jest, Playwright.

**Software Engineer Intern | Bloomberg –  Ireland**                    *Jan 2021 - Aug 2021*
- Utilized Python scripts to analyze large financial datasets, extracting valuable insights to support decision-making processes.
- Developed a Python script for financial data analysis that automatically detected and addressed **95%** of hidden errors, significantly improving data reliability and accuracy.
- Leveraged **Python** and its libraries (PyTest, **PySpark**, Openpyxl) to perform data validation, analysis, and reporting.

## PROJECTS

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- Developed a website for event management. Creating an event, purchasing event tickets, user profile, searching, and filtering events.
- Frontend development using NextJS and Shadcn for creating interactive, intuitive, and user-friendly interfaces.
- Backend development using NextJS server actions to handle database operations.
- Database management: Utilized MongoDB to store and manage event, user, and order data.
- Implemented user authentication using Clerk and utilized stripe to capture payments.