

ARNAB DUTTA

SOFTWARE DEVELOPER

Kolkata | arnabdutta491@gmail.com | arnab.dutta.official491@gmail.com | 8777598412 | [LinkedIn](#)

SUMMARY

- IT professional with more than 4+ years of hands-on experience in the industry, focusing on the Python and JavaScript technology stack.
- Comprehensive understanding and varied experience in developing engaging web applications and integrating with third-party services.
- Core technical skills encompass the creation of well-structured, optimized, and high-performance applications.
- Skilled in all phases of the Software Development Life Cycle, with a background in Agile methodologies.
- A team-oriented collaborator with strong problem-solving skills, a sharp attention to detail, and an aspiration to become a full-stack developer.

TECHNICAL SKILLS

- Programming Languages:** Python, JavaScript ,TypeScript
- Technologies, Frameworks, and Libraries:** Django, FastAPI, Angular, Node.js, Pandas, HTML, CSS, Postman, Docker , AWS,Azure
- Databases:** MySQL, PostgreSQL, MongoDB, ElasticSearch
- Operating Systems:** Linux, Windows
- Version Control Systems:** Git, Bitbucket, GitLab
- Tools:** Jira, Slack,Zoho

PROFESSIONAL EXPERIENCE

ETIOT | In Work Global

Senior Software Developer | January 2026 – Present

- Developed a Web Application for a Large-Scale Gas Pipeline Operations and Maintenance Platform This project served a significant Indian Public Sector Undertaking (PSU).
 - Created the Backend using **FastApi** and **Python** to manage extensive industrial datasets, allowing patrolmen, contractors, and field engineers to monitor over 1,000 critical assets in real time.
 - Integrated complex GIS mapping with ESRI Maps, employing a multi-layered approach for precise asset tracking, facilitating real-time status updates on the map.
 - Enhanced the rendering of heavy data tables and map layers, achieving a 40% reduction in initial load time.

Shyam Steel Manufacture Limited

Software Developer | June 2024 – January 2026

- Developed an HRMS that effectively manages employee information, payroll processing, leave management, recruitment, performance evaluations, training and development, and document management. Integrated attendance tracking and compliance features to facilitate smooth HR operations. Delivered real-time reporting and analytics to support data-driven decision-making, enhancing operational efficiency and minimizing manual processes within the HR department.
- Conducted thorough code reviews to ensure high quality through rigorous testing and adherence to coding standards.
- Enhanced solutions to boost system performance, scalability, and resource efficiency.
- Integrated external tools and applications built in SAP to guarantee seamless HRMS functionality.
- Managed client relationships by gathering requirements, providing updates, and ensuring overall client satisfaction.
- Collaborated with cross-functional teams to deliver tailored solutions while maintaining system integrity.
- Established a CI/CD pipeline for both backend and frontend development.

• NavAI

- Developed an AI-driven analytics platform utilizing machine learning, natural language processing, and large language models to extract insights and enable natural language interactions with data.
- Created optimized prompts for large language model responses, enhancing both accuracy and relevance.
- Collaborated with a team of ten developers, one team leader, one tester, one business analyst, and one project manager.
- **Tech Stack:** Python, Django, PostgreSQL, MongoDB, Angular, Docker, Jenkins, SonarQube, AWS

• Retail POS (Point of Sale)

- Contributed to both front-end (Angular, Electron) and back-end (Django, PostgreSQL) development.
- Integrated Elasticsearch, resulting in a 30% reduction in search response time.
- Established continuous integration and continuous deployment (CI/CD) pipelines using Jenkins and Docker for automated builds and deployments.
- Designed and optimized PostgreSQL queries, achieving a 20% improvement in performance.
- Integrated credit card payment systems with Pin Pad functionality.
- Engaged directly with clients for requirements gathering and conducted weekly reviews.
- **Tech Stack:** Python, Django, PostgreSQL, Elasticsearch, Angular, Electron, Docker, Jenkins, AWS

• D&B Supply (E-commerce Admin Panel)

- Led back-end development for admin features: user management, inventory, order processing, analytics.
- Built RESTful APIs with secure authentication & role-based access.
- Implemented caching strategies and optimized view rendering in Ionic app.
- Improved system performance and streamlined integration with the e-commerce website.
- **Tech Stack:** Python, Django, Postgres, ElasticSearch, Docker, Jenkins, AWS

RightEpay Corp. Pvt. Ltd.**Software Intern | Nov 2020 – May 2022**

- Played a key role in developing a digital payments platform offering features such as utility bill payments, travel bookings, and cashback rewards.
- Helped create scalable modules for transaction processing and user management.
- Worked collaboratively within a team of five developers, guided by a team lead.
- **Tech Stack:** Python, Django, Angular, Ionic, Java(SpringBoot)

EDUCATION**Bachelor of Computer Application**

Indira Gandhi National Open University

Pursuing**Diploma In Computer Programming & Applications**

Ramakrishna Mission Shilpamandira Computer Centre (Belur Math)

May 2019 - May 2021

- Passed With 89%

Higher Secondary Education

Jetia High School with Commerce

2017 - 2019

- Passed With 64.8%