

# Mehedee Ahmed Siddique

Software Engineer. Technology is never a barrier. Always enthusiastic about learning new stacks and taking on new challenges. Expert in solving complex system design and business problems. Passionate about clean architecture. Comfortable in context switching and delivering under deadline.



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## Skills

- Programming Languages**
  - Python, PHP, Javascript
  - Java, C#, C++, C
- Frameworks, Libraries & Platforms**
  - Django, FastAPI, Falcon, Laravel, Flask, JQuery
  - SQLAlchemy, Pydantic, Formencode
  - Apache Cordova, Ionic
- Databases**
  - SQL(MySQL, PostgreSQL, PL/PGSQL, MS SQL Server)
  - NoSQL(MongoDB)
- Frontend**
  - HTML, Markdown, CSS, Bootstrap, LaTeX
- Others**
  - Docker, VCS(Github, GitLab, Bitbucket), OS(Linux, Mac OS, Windows)
  - JWT, BIRT, ELK, Celery
  - ERP, VAT(1992 & 2012), Project Management, Scrum, Agile Methodology, Unit Testing, Design Patterns, Code Review, SOLID, NGINX, Apache, Training(In-house & Client), Context Switching, HCI, Article Writing

## Experience

### Software Engineer, Divine IT Limited [Nov, 2018 - Present]:

- Lead Developer, PrismVAT:
  - Modified existing ERP into PrismVAT, developed new features and Mushak reports to comply with NBR VAT Act 1992 & 2012.
  - Development of ETL tool for integration with 3rd party ERP.
  - High Volume data processing RnD.
  - Requirement analysis, client-house implementation and support.
- Developer, PrismERP:
  - Developed and maintained ERP modules and reports.
  - Project Management, Analysis and Development of ISP Infrastructure & Cable Management module. Re-engineered Supply Chain Management, Sales & Distribution Management modules.
- Upgraded PrismERP & PrismVAT codebase from Python 2.7 to Python 3.6.
- Brought PostgreSQL and MSSQL compatibility to PrismVAT.
- Single Sign On (CAS): Designed and developed Central Authentication Service with *OAuth Authorization Code flow with OTP* for Cloud HRM application.
- Logstash: Implemented in-house error logging for Prism Series with ELK stack.
- Apache Error Log Parser
- Tech stacks: Python(2, 3), Django, Falcon, FastAPI, JS, MySQL, PostgreSQL, PL/PGSQL, MSSQL, SQLAlchemy, JWT, Celery

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## Education

- 2014-2018**      **BSc, Computer Science and Engineering**; American International University - Bangladesh (AIUB)  
*Courses: HCI, Data Mining, AI*  
*CGPA: 3.79/4.00*
- 2013**            **HSC, Science**; Kushtia Government College [Jessore Board]  
*GPA: 5.00/5.00*
- 2011**            **SSC, Science**; Kushtia Zilla School, Kushtia [Jessore Board]  
*GPA: 5.00/5.00*

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## Projects

### Personal & Freelance Projects

- Betting Application with MLM schemes (Freelance project) [Laravel, JS, Bootstrap, MySQL]
- Currency Exchange Application (Freelance project. A basic exchange application where users can use BDT(bkash, Rocket) to buy or sell Paypoll, Netelar etc currency) [Laravel, JS, Bootstrap, MySQL]
- Digital Warranty Management System (For managing product warranty and servicing records) [Laravel, JS, Bootstrap, MySQL] [🔗](#)
- Aastha Eshop (Freelance project. E-commerce android app for selling groceries) [Apache Cordova, Php, JS], MySQL] [🔗](#)
- Bachao-Your Safety Log, android app ([EATL App contest](#). For logging user location, audio, image and notes to a remote server in case of emergency) [Apache Cordova, Php, JS, MySQL] [🔗](#)
- Photo Annotation (Undergrad thesis project. Automatic, semi-automatic and manual metadata extraction from images and deducing meaning from them to make search easier for users) [Python, Flask, OpenCV, MySQL] [🔗](#)
- WebDroid (Undergrad course project. CMS for Android App) [JS, PHP, Apache Cordova, MySQL] [🔗](#)
- Ball Shooting Game (Undergrad course project) [Java, Applet] [🔗](#)

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## Personal Information

- Father**            Md. Asad Ur Rahman
- Mother**            Mst. Ferdous Ara
- Date of Birth**    July 3rd, 1996

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## Others

- Human Languages:
    - Bangla (native speaker)
    - English (IELTS AC 8.0)
    - Hindi (conversational)
  - Organizations:
    - Esperer Dhaka Uptown, Esperer Bangladesh (Executive VP, 2017-2018)
    - Kushtia Zilla School Debating Club (Organizing Secretary, 2006-2010)
    - Bangladesh National Cadet Corps (2009-2010)
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