

# MD. BABLU MIA

📍 Kurigram, Rangpur Division, Bangladesh ✉ [bablukpik@gmail.com](mailto:bablukpik@gmail.com) ☎ +8801718677048 🌐 [in /bablukpik](https://www.linkedin.com/in/bablukpik) 🌐 [w3public.com](https://www.w3public.com)

## SUMMARY

I believe that skills, collaboration, ownership, and dedication are the main stuff for a professional career. I am interested and hope that my mentioned capabilities and skills would be a perfect fit for the post.

## EXPERIENCE

### Senior Software Engineer

#### [Volksbyte](#)

Nov 2023 - Present, Am Bruche 16 Detmold, 32758 North rhine-westphalia, Germany

- Working as a Senior Full Stack Engineer.
- Making an Augmented Reality (AR) SaaS application which includes Object Size Detection, Image Enhancement, and NFT Marker creation, using AR.js, OpenCV, Flask, ExpressJS, ReactJS.
- Chatbot using OpenAI API, LangChain, LangGraph, AI Agents, RAG.
- Focusing on NodeJS, ReactJS, Shadcn UI, Material UI, JavaScript, TypeScript, ExpressJS, Prisma ORM, Drizzle ORM, Python, Flask, OpenCV, Docker, Postgresql Database, and considerably more.
- Apart from leading the team, I'm working on both frontend and backend.
- Preparing CI/CD pipelines.

### Team Lead

#### [Petronas](#)

July 2022 - August 2023, City Centre, 50088 Kuala Lumpur, Malaysia

- Worked as a Team Lead.
- Made a web application for the Gas and Oil industry.
- Focused on NodeJS, ReactJS, Ant Design, JavaScript, TypeScript, Serverless Functions, Prisma ORM, Docker, Azure SQL Database, Azure Blob Storage, Azure API Management Service, Multi-Tenancy, and considerably more.
- Apart from leading the team I worked on both frontend and backend.
- Implemented software multitenancy for Petronas' external clients.
- Prepared CI/CD pipelines.

### Software Engineer

#### [Field Nation](#)

July 2019 - July 2022, 733 Marquette Avenue S, #800, Minneapolis, MN 55402, US.

- Developed a web application for Field Services.
- Working on both frontend and backend as a Full-Stack Developer.
- Focused on NodeJS, Nestjs, ReactJS, JavaScript, TypeScript, ReduxJS, Jira, Agile Scrum, CI/CD, Docker, Rest API, Amazon Redshift, MySQL, Elasticsearch, and considerably more.

### Programmer

#### [ATI Limited](#)

July 2018 - June 2019, ATI Center House # 1, Road # 9/A Sector # 7, Dhaka 1230

- Working on both frontend and backend as a full-stack developer.
- Developing web applications for Sailor Management Systems and University Management Systems.
- Focused on PHP, Codeigniter, Laravel, NodeJS, ReactJS, JavaScript, JQuery, HTML5, CSS, Ajax, Bootstrap, Jira, Agile Scrum, Rest API, and considerably more.

### Programmer

#### [Link-up Technology](#)

June 2017 - July 2018, Mirpur -10, Dhaka

- Working on both frontend and backend as a full-stack developer.
- Developing POS Software, Inventory Management Software, Website Design, and Development.
- Focused on PHP, Codeigniter, Bootstrap, JavaScript, jQuery, Ajax, Git, Linux, and so on.

### Programmer

#### [Dhaka Jacos Co. Ltd](#)

July 2015 - May 2017, Shyamoli, Dhaka

- Working on both frontend and backend as a full-stack developer.
- Developing POS Software, Inventory Management Software, Website Design, and Development.
- Focused on PHP, Codeigniter, Bootstrap, JavaScript, jQuery, Ajax, Git, Linux, and so on.

## PROJECTS

### Smart Job Identifier & AI Chatbot

*Volksbyte, Nov 2023 - Present*

- AR web application for the Printing Company
- AI Agentic Applications
- AI Chatbot and Image Scaler

### Composite Repair Integrity Management System Digital Solutions (CoRIMS DS)

*Petronas, July 2022 - August 2023*

- CoRIMS DS provides solutions for the maintenance and rehabilitation of piping, pipelines, and vessels in the oil and gas industry.
- It provides an effective and economical solution for the extension of operational life, prevention of loss of containment, and sustaining the integrity of the assets.
- CoRIMS DS involves the application of an overwrap to a defective area(s) to restore the integrity of assets.
- Design, application, and in-service monitoring are required to ensure the repair is fit for purpose within the operating lifetime.

### **Market Smart Insights (MSI)**

*Field Nation, July 2019 - June 2022*

- MSI provides pricing and coverage insights for Buyers of the Field Nation.
- Pricing and coverage insights, like in which location a Buyer will post a work order if skilled Providers are available or not, if available then what is the market price, the distance between the provider and the workplace, and much more such information.
- Buyers need market insights so that a premium Buyer can post a work order with such information and expects the WO will get it done in a specific time.

### **Sailor Management System**

*ATI Limited, July 2018 - June 2019*

- Salary and allowances management
- Wives and Children management
- Training management
- Mission management
- Uniform and Food Management, and so on

### **POS System**

*Link-up Technology, June 2017 - July 2018*

Warehouse & Inventory Management, Order Management, Sales Management, Sales Reports, Invoicing, Payment Processing, Customer and Employee management, and so on

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## **SKILLS**

**Frontend:** JavaScript, TypeScript, ES6, AR.js, NextJS, ReactJS, React Native, ReduxJS, Recoil, Zustand, Redux Toolkit, RTK Query, React Query, Styled-Components, Emotion Styled, Zod, Lodash, jQuery, Vite, Webpack, HTML5, CSS3 (including Grid and Flexbox layout), Tailwind CSS, Bootstrap, Shadcn UI, Ant Design, Material-UI, Sass, Less, CSS-in-JS, KonvaJS, WebRTC, Figma, Adobe Photoshop, Adobe Illustrator.

**Backend:** Nodejs, Python, OpenCV, Flask, FastAPI, Pydantic, SQLAlchemy, PHP, JavaScript, TypeScript, ES6, Serverless Functions, Serverless Containers, Nestjs, Expressjs, Fastify, Honojs, Rest API, GraphQL, Mongoosejs, Prisma, Drizzle ORM, TypeORM, API Management, WebSockets, Socket.io, Elasticsearch, Logstash, Kibana, Datadog, Monolithic, Microservices, Multi-Tenant, and Event-Driven Architectures, Redis, Valkey, RabbitMQ, Kafka, BullMQ, SSE.

**Testing & Scraping Tools:** Selenium, Puppeteer, Playwright, Cheerio, Jest, Vitest, Postman, React Testing Library

**DevOps:** Docker, Kubernetes, Jenkins, Circleci, Azure DevOps, Github Actions, Sonar Cloud, Terraform, CI/CD, Coolify, Dokploy

**AWS:** S3, Elastic Beanstalk, EC2, Lambda, DynamoDB, Redshift, RDS Services, EKS, ECS, CloudFront.

**Azure:** ADO, Azure AD, Serverless Azure Functions, Azure App Services, Azure SQL Database, Azure Blob Storage, Azure API Management.

**Database:** ChromaDB, WeaviateDB, MilvusDB, MongoDB, MySQL, MS SQL, Postgres, Oracle

**AI:** LLM, OpenAI API, Anthropic API, GeminiAI API, Replicate API, OpenRouter, LangChain, LangSmith, LangGraph, AI Agents, Agentic Application, RAG, Fine-Tuning, MCP Server, OpenAI Agents SDK, Zapier, Make.

**Others:** Cloudflare, Vercel, Firebase, Supabase.

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## **EDUCATION**

### **BSc in CSE**

Minor in CSE • Bangladesh University of Business and Technology (BUBT) • Plot # 77-78, Road # 9, Rupnagar R/A Mirpur-2, Dhaka. • 2016 • 3.19 out of 4

### **Diploma in Computer Technology**

Minor in Computer Technology (CMT) • Kurigram Polytechnic Institute (KPI) • Central Jail Rd, Kurigram Sadar, Kurigram. • 2012 • 3.32 out of 4

### **Secondary School Certificate (SSC)**

Minor in Arts Group • Khalilganj High School & College • Station Rd, Kurigram • 2006 • 4.13 out of 5