Misha Bruml
Fullstack JavaScript/TS software engineer

Bristol, UK
mishabruml at gmail dot com
(+44) 07453 061 823
linkedin.com/in/mishabruml
github.com/mishabruml

SKILLS

Programming and software

- Backend/serverside **Node** applications/APIs/services with **JavaScript/Typescript**
- Services and infrastructure with **AWS**, **Serverless/Cloudformation/CDK**
- Building frontend web applications with **React**
- Unit/component/integration testing with **Jest, AVA, Mocha, Cucumber**
- Building CI/CD pipelines with **CircleCI, GitHub Actions**
- Containerisation with **Docker**
- Designing architectural solutions to complex business problems
- Writing specifications and documentation; **Swagger**
- Writing desktop engineering software tools **Electron, Octave, Matlab**
- Self-taught **C#** by Rob Miles "C# Yellow Book" and personal projects
- University modules: **C/C++, Python, Matlab, Bash, LaTeX**

Other skills and personal

- Working in a wide variety of environments and teams has taught me the importance of teamwork and people skills, and I consider myself a good communicator.
- Management skills; have managed a software small team
- Good knowledge of Agile practices
- Able to demo/present software/sprint work effectively
- Studying for a degree taught me how to organise my own workload, research effectively, and multi-task.
- Passionate about the environment; I want to engineer for a better future

During my free time I enjoy the outdoors, especially mountaineering and rock climbing. I have been a member of the University Mountaineering Club while at Leeds and also in Glasgow where I spent plenty of time in the hills and crags of the UK. For 8 months over the winter 2016/2017 I worked in a climbers' hostel in the mountains of Spain (El Chorro, Andalusia). I also enjoy cycle touring; I completed a two-week trip in America after university, and in December 2019 my partner and I toured for a month in southern India on a tandem..!

EDUCATION

Postgraduate Diploma, Advanced Materials (Physics) University of Glasgow 2014-2015
BSc, Physics, Graduated with 2.1 University of Leeds 2011-2014

EMPLOYMENT HISTORY

Software Engineer (S3 Level)
Kaluza (OVO), Bristol, Jan 2021 - present
Reference: Henry Woodsend, SEM. Email: henry dot woodsend at kaluza dot com

- Full stack software engineer in cross-functional team "Homemoves Team" of 12; SEM, PM, product, UX, 6 developers
- AWS, Terraform, Kafka, Docker, Node, Typescript, React
- Building and maintaining Node web services that integrate with Orion (energy platform) within the domain of domestic energy customer home moves (move-ins and move-outs)
- "Orion for Ops"; React web app and Node API designed for retail agents. Working on tooling to enable agents to manage customer home moves

Senior Software Engineer
Ecotricity, Bristol, Sept 2019 - Nov 2020 (1 year 2mo)
Reference: Chris Hawes, Team Lead. Email: chris at shh dot io

- Tariffs service and quote API
  - Built quoting API with Node/Lambda/Serverless, DynamoDB persistence layer
  - Tariffs and other industry information required for calculation regularly collected from various sources via scheduled Lambdas and a Fargate ECS task to process a large file from S3.
  - Kinesis CloudEvents for inter-service messaging and integrating with platform
  - Learnt some functional programming techniques, property testing.
  - Worked closely with QA on this service to build an automated API smoke test suite with Postman/Newman.
- Joined the SMART team, providing SMETS2 (2nd generation Smart Meter) capability/integration for Ecotricity. While on this team I helped build;
  - A suite of services for integrating with the government's XML-based service DCC
  - Secure DCC proxy (nginx) built with AWS CDK to provide mutual authentication and receive responses
  - DCC Adaptor service (TS, Serverless/Cloudformation, DynamoDB, Kinesis/SQS/SNS/Eventbridge) to process responses and safely expose the DCC API to wider Ecotricity platform
  - Various other services for processing meter readings and providing a smooth integration with the rest of the Ecotricity platform
  - Daily meter reads now available for SMETS2 customers
- Gave stakeholder demos every 2 weeks, demoing the software live and presenting prepared slides
- Attended stakeholder sessions for requirements/refinement Q&A
- Attended Serverless Days Cardiff representing Ecotricity

CTO
Upugo, Bristol Oct 2018 - Sept 2019 (11 mo)
Reference: Luke Sartain, email: luke at upugo dot com
- Built a web platform (Node/JS, AWS Lambda/EB/SQS/Cognito, mongodb) for automated SEO website audits
- React frontend with web store (Stripe integration) to purchase SEO tasks
- Hired and managed a small team of developers to deliver features

Graduate Engineer (Software)
Paradigm Flow Services, Oct 2017 - Sept 2018 (11 mo)
Reference: Hugh Mackenzie, email: hugh.mackenzie at paradigmflow dot com

- Built desktop engineering analysis software
- Conducted technical research into fluids, transients, hydrocarbon modelling
- Wrote technical reports and papers
- Assisted in design of a new instrument (acoustic velocity cell) for fluid analysis
- Worked in "simulated offshore environment" research/test yard