

# TaskLink Database Schema (MySQL)

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CREATE TABLE roles (
    id SMALLINT PRIMARY KEY AUTO_INCREMENT,
    name VARCHAR(32) NOT NULL,
    description VARCHAR(255),
    created_at DATETIME DEFAULT CURRENT_TIMESTAMP
);

CREATE TABLE users (
    id BIGINT PRIMARY KEY AUTO_INCREMENT,
    role_id SMALLINT NOT NULL,
    first_name VARCHAR(100),
    last_name VARCHAR(100),
    email VARCHAR(255) UNIQUE NOT NULL,
    password_hash VARCHAR(255) NOT NULL,
    phone VARCHAR(32),
    bio TEXT,
    address VARCHAR(255),
    avatar_url VARCHAR(255),
    status ENUM('Active','Suspended','Pending'),
    is_active TINYINT,
    last_login DATETIME,
    created_by BIGINT,
    created_at DATETIME,
    updated_at DATETIME
);

CREATE TABLE worker_profiles (
    user_id BIGINT PRIMARY KEY,
    profession VARCHAR(150),
    headline VARCHAR(255),
    hours INT,
    verification_status ENUM('Pending','Verified','Rejected'),
    verification_submitted_at DATETIME,
    verification_reviewed_by BIGINT,
    verification_reviewed_at DATETIME,
    created_at DATETIME,
    updated_at DATETIME
);

CREATE TABLE task_categories (
    id SMALLINT PRIMARY KEY AUTO_INCREMENT,
    slug VARCHAR(64),
    name VARCHAR(128),
    created_at DATETIME
);

CREATE TABLE skills (
    id MEDIUMINT PRIMARY KEY AUTO_INCREMENT,
    name VARCHAR(100),
    created_at DATETIME
);

CREATE TABLE tasks (
    id BIGINT PRIMARY KEY AUTO_INCREMENT,
    posted_by BIGINT,
    title VARCHAR(255),
    description TEXT,
    category_id SMALLINT,
    budget DECIMAL(10,2),
    currency CHAR(3),
    deadline DATE,
    status ENUM('Open','In Progress','Completed','Flagged'),
    is_active TINYINT,
    created_at DATETIME,
    updated_at DATETIME
);

CREATE TABLE task_skills (
    task_id BIGINT,
    skill_id MEDIUMINT,
    PRIMARY KEY (task_id, skill_id)
);

CREATE TABLE worker_skills (
    user_id BIGINT,
    skill_id MEDIUMINT,
    PRIMARY KEY (user_id, skill_id)
);

CREATE TABLE bids (
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        id BIGINT PRIMARY KEY AUTO_INCREMENT,
        task_id BIGINT,
        worker_id BIGINT,
        amount DECIMAL(10,2),
        message TEXT,
        status ENUM('Pending','Accepted','Rejected','Canceled'),
        created_at DATETIME,
        updated_at DATETIME
    );
CREATE TABLE jobs (
    id BIGINT PRIMARY KEY AUTO_INCREMENT,
    task_id BIGINT,
    bid_id BIGINT,
    client_id BIGINT,
    worker_id BIGINT,
    amount DECIMAL(10,2),
    status ENUM('In Progress','Completed','Cancelled'),
    progress TINYINT,
    started_at DATETIME,
    completed_at DATETIME,
    created_at DATETIME,
    updated_at DATETIME
);
CREATE TABLE reviews (
    id BIGINT PRIMARY KEY AUTO_INCREMENT,
    reviewer_id BIGINT,
    reviewee_id BIGINT,
    job_id BIGINT,
    rating TINYINT,
    comment TEXT,
    created_at DATETIME
);
CREATE TABLE worker_verifications (
    id BIGINT PRIMARY KEY AUTO_INCREMENT,
    worker_id BIGINT,
    submitted_at DATETIME,
    status ENUM('Pending','Approved','Rejected'),
    reviewed_by BIGINT,
    reviewed_at DATETIME,
    notes TEXT
);
CREATE TABLE worker_documents (
    id BIGINT PRIMARY KEY AUTO_INCREMENT,
    verification_id BIGINT,
    filename VARCHAR(255),
    file_url VARCHAR(511),
    file_type VARCHAR(64),
    uploaded_at DATETIME,
    is_active TINYINT
);
CREATE TABLE worker_portfolio (
    id BIGINT PRIMARY KEY AUTO_INCREMENT,
    worker_id BIGINT,
    title VARCHAR(255),
    description TEXT,
    url VARCHAR(511),
    created_at DATETIME
);
CREATE TABLE audit_logs (
    id BIGINT PRIMARY KEY AUTO_INCREMENT,
    admin_id BIGINT,
    action VARCHAR(100),
    entity_type VARCHAR(50),
    entity_id BIGINT,
    details JSON,
    created_at DATETIME
);

```